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REPORT
OF THE
DIRECTOR OF THE MINT
UPON
PRODUCTION
OF THE
PRECIOUS METALS IN THE UNITED STATES
DURING THE
CALENDAR YEAR 1888.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1889.

L E T T E R

FROM

THE SECRETARY OF THE TREASURY,

TRANSMITTING

The report of the Director of the Mint upon the statistics of the production of the precious metals in the United States for the calendar year 1888.

TREASURY DEPARTMENT,

OFFICE OF THE SECRETARY,

Washington, D. C., February 23, 1889.

SIR: I have the honor to transmit herewith the report of the Director of the Mint upon statistics of production of the precious metals in the United States for the calendar year 1888.

Respectfully yours,

C. S. FAIRCHILD,
Secretary.

HON. J. G. CARLISLE,
Speaker of the House of Representatives.

LETTER OF TRANSMITTAL.

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
Washington, D. C., February 23, 1889.

SIR: I have the honor to forward herewith for transmittal to Congress a report on "Production of the Precious Metals in the United States for the calendar year 1888," being my fourth report and the ninth of the same series prepared by this Bureau under annual appropriations.

The statistical matter has been reduced, as far as practicable, to a tabular form to the exclusion of textual matter, this change being in accord, as I conceive, with the general purpose and method of mineral statistics.

The editorial and statistical labors of this report have, as usual, been shared with Mr. E. O. Leech, of the Bureau of the Mint.

Respectfully yours,

JAMES P. KIMBALL,
Director of the Mint.

Hon. CHARLES S. FAIRCHILD,
Secretary of the Treasury.

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PART I.

GENERAL REPORT.

GENERAL REPORT.

PRODUCTION OF GOLD IN THE UNITED STATES.

The produce of gold from mines in the United States during the calendar year 1888 is estimated to have been 1,604,841 fine ounces (49,917 kilograms), of the value of \$33,175,000.

The components of the estimate may be briefly exhibited in tabular form as follows:

GOLD PRODUCT, 1888.	
Sources.	Value.
Bullion of domestic production deposited at mints and assay offices	\$30, 775, 020
Bullion of domestic production (other than United States mint or assay office bars) exported from the United States.....	1, 925, 591
In ores of domestic production exported for reduction—approximate.....	125, 153
In copper matte and pig copper, exported as “copper ore”—approximate.....	34, 255
Bullion of domestic production reported by sixteen private refineries in the United States as having been made into bars for manufacturers and jewelers..	1, 633, 302
Total	34, 493, 321
Deduct:	
Foreign bullion reported by private refineries used in the manufacture of fine bars, deposited at mints and assay offices and classified as of domestic production.....	1, 315, 360
Production for 1888	33, 177, 961

Gold contained in copper matte and pig copper, exported as “copper ore” at the port of New York during the year, \$34,255, is approximately estimated by the superintendent of the United States Assay Office at New York from information derived from the collector of customs.

The particular sources of the auriferous material referred to will be seen from letters of Superintendent Mason printed in the following pages of this report.

This item is believed to substantially represent the value of gold contained in domestic furnace products and exported as “copper ore” for reduction and refining.

The item "ores of domestic production exported" (\$125,153) is the total value of precious metals in gold and silver bearing-ores, according to the Bureau of Statistics, exported principally at the port of New York during the calendar year.

While these ores contained both gold and silver, the quantities and values of which are not separately stated, the total value of both precious metals has been taken as gold in the same terms as manifested, the value of their tenor of the precious metals being principally in the gold.

It will be noticed that the value of gold "bullion of domestic production reported by sixteen private refineries in the United States as having been made into bars for manufacturers and jewelers" (\$1,633,302) is greater than hitherto reported. The amount reported in 1887 by twenty-six private refineries was \$973,244, in 1886 by twenty-nine private refineries \$650,000, and in 1885 by thirty private refineries \$1,272,606.

After eliminating the value of the bars for similar use supplied by Government institutions the net amount reported was 79,011 fine ounces, the value of which is given as the estimate of the Bureau.

It has proved difficult for private firms, making a business of preparing bars for the use of manufacturing jewelers and others, to state at the close of the year what proportion of bullion or other material was used in composition. Any figures communicated by them in regard to the kind of material, bullion or coin, used in the preparation of bars must therefore be taken as approximate.

In order to ascertain the total produce of the country it will be understood that the value of the domestic bullion made into bars by private refineries and supplied direct to manufacturers is to be added to the sum of deposits and exports of domestic bullion.

Some doubt arises as to the measure of accuracy in statements kindly contributed by private refiners of the kinds of material used in the preparation of bars for industrial use, a much larger proportion of domestic material appearing to have entered into their composition than hitherto ascertained.

The estimate of the Bureau of the gold product tends to show that the use in the industries of gold in the shape of bars, and especially bars furnished by private refineries, is on the increase.

Messrs. Wells, Fargo & Co., in their annual statement, estimate the gold produce of the States and Territories of the United States west of the Missouri River as \$29,987,702 in 1888, which is considerably less than the estimate of this Bureau. Their estimate for 1887, of \$32,500,067, agreed substantially with that of this Bureau, the latter being, for the whole country, \$33,000,000.

The product of gold reported to this Bureau by thirteen private refineries in the United States, believed to have been all that manufactured fine gold bars during the calendar year 1888, was 977,852 fine ounces, of which 60,636 ounces was reported as from foreign material, between 40,000

and 50,000 ounces of this being from the British possessions in North America, and 10,240 ounces not classified from States and Territories of the Republic. There was also reported 18,784 ounces received by the Newark refinery from other refineries, the sources of which could not be stated.

The unrefined gold of domestic production deposited and parted at the mints and at the assay office at New York contained 688,716 fine ounces of gold.

The total product of the Government and private refineries in the United States during the year was, gold, 1,666,568 fine ounces, of the value of \$34,451,009, as exhibited in the following statement:

GOLD PRODUCT OF REFINERIES IN THE UNITED STATES, 1888.	
Gold.	Fine ounces (troy).
Reported product of thirteen private refineries in the United States manufacturing fine gold bars.....	977, 852
Unrefined gold deposited at United States mints and assay offices	688, 716
Total.....	1, 666, 568
Value	\$34, 451, 009

The value of the gold produced in the United States annually since 1880, according to the estimates of this Bureau, is exhibited in the following table:

PRODUCTION OF GOLD FROM MINES IN THE UNITED STATES SINCE 1880.		
Years.	Weight, fine ounces.	Value.
1880.....	1, 741, 500	\$36, 000, 000
1881.....	1, 678, 612	34, 700, 000
1882.....	1, 572, 187	32, 500, 000
1883.....	1, 451, 250	30, 000, 000
1884.....	1, 489, 950	30, 800, 000
1885.....	1, 538, 325	31, 800, 000
1886.....	1, 693, 125	35, 000, 000
1887.....	1, 596, 375	33, 000, 000
1888.....	1, 604, 841	33, 175, 000

PRODUCTION OF SILVER IN THE UNITED STATES.

The produce of silver from mines in the United States during the calendar year 1888 is estimated to have been 45,783,632 fine ounces (1,424,326 kilograms), of the coining value of \$59,195,000.

The elements of this estimate are exhibited in the following table:

SILVER PRODUCT, 1888.	
Sources.	Coining value.
Bullion deposited at mints and assay offices, classified as of domestic production.....	\$38, 599, 471
Bullion (other than United States mint or assay office bars) classified as of domestic production, exported from the United States (custom-house rating at commercial value \$21,735,166, corresponding, at average price of silver during the year, \$0.94 per fine ounce, to 23,122,517 fine ounces).....	29, 895, 782
Contained in copper matte and ore exported from the United States, silver contents not registered, 708,629 fine ounces—(approximate)	916, 206
Bullion of domestic production reported by private refineries in the United States as having been made into bars for industrial use (2,348,624 fine ounces)	3, 036, 605
Total.....	72, 448, 064
Deduct:	
Foreign bullion imported (commercial value)	\$5, 977, 036
Silver ores imported (commercial value)	\$5, 684, 093
Value of lead, gold, and copper contained in silver ores	851, 127
Commercial value of silver in ores	4, 832, 966
	10, 810, 002
Corresponding, at average price of silver during the year, \$0.94 per fine ounce, to 11,500,000 fine ounces (coining value)	14, 868, 686
Less:	
Foreign bullion deposited at mints and assay offices (coining value).....	\$1, 595, 126
Foreign bullion, re-exported (commercial value)	\$228
Foreign silver ores, re-exported (commercial value).....	15, 045
	15, 273
Corresponding, at average price of silver during the year, \$0.94 per fine ounce, to 13,248 fine ounces (coining value).....	21, 007
	1, 616, 133
Coining value of foreign silver included in fine bars manufactured by private refineries in the United States and classified at the mints and custom-houses as domestic	13, 252, 553
Production for 1888.....	59, 195, 511

This is an increase of 4,515,327 fine ounces over the estimated production for 1887.

The elimination from an estimate of the produce of our own mines of the value of foreign material, consisting principally of refined silver obtained from crude silver, base bullion, and miscellaneous smelting ores

imported from Mexico, has been attended, as in the last few years, with no little trouble.

The influx into the United States of such silver products in considerable quantities for reduction and refining, beginning in 1885, has since steadily increased, owing to the extension of railways into Mexico, and very largely to the fact that most of the silver-bearing ores are rich in lead, which, under rulings of the Treasury Department, is free of duty when contained in ores in which the precious metals constitute the predominant value.

So important has it become to identify and eliminate for statistical purposes this foreign product from the produce of our own mines that custom-house officers on the Mexican frontier and on the Gulf have been required to furnish this Bureau with monthly statements showing in detail the class of material imported and the names of consignees.

According to custom-house returns the value of silver bullion imported into the United States during the last calendar year was \$5,977,036. This value of silver bullion is understood to be the commercial or market value, in which terms silver imports are manifested.

Of this foreign silver bullion \$5,054,402 was from Mexico, and most of the remainder from the United States of Colombia, with a small value from Honduras, and a smaller value from the British possessions in North America, and from Cuba.

In addition to the imports of foreign silver bullion, silver ores were imported of the declared commercial value, according to custom-house returns, of \$5,684,093. Most of these ores were imported through the ports of entry of the customs district of Paso del Norte. The collector of customs at El Paso informs the Bureau that of the declared value of silver ores imported in his district during the year the value of the gold contained was \$16,313, of the lead \$832,944, and of the copper \$1,870.

These figures are the more useful as measures have been adopted in the customs district of Paso del Norte to verify by assay the important mineral and metallic products from Mexico entered at the several custom-houses.

The following letters from the collector of customs, bearing on this point, will be of interest:

CUSTOM-HOUSE, EL PASO, TEX.,
Collector's Office, January 18, 1889.

SIR: In compliance with your letter of the 5th instant, I have the honor to inclose you a recapitulation of the importations of silver ores, gold and silver bullion, and gold and silver coin into this district for the year 1888.

The value of the gold, lead, and copper contained in the 141,845,903 pounds of silver ore is included in its value, \$3,974,744, which leaves \$3,123,617 pure silver.

The silver is calculated at 90 cents per ounce, and the lead at 40 cents per unit up to 50 per cent., and if above 50 per cent., at 50 cents per unit.

With but few exceptions the lead was calculated at 40 cents.

Respectfully yours,

JOSEPH MAGOFFIN,
Collector.

Hon. JAMES P. KIMBALL,
Director of the Mint, Washington, D. C.

CUSTOM-HOUSE, EL PASO, TEX.,
Collector's Office, January 30, 1889.

SIR: I have the honor to acknowledge the receipt of your letter of the 24th instant, and in reply I have to report that out of the total value of the ores, or \$3,974,744, \$16,313 was gold.

Respectfully yours,

JOSEPH MAGOFFIN,
Collector.

Hon. JAMES P. KIMBALL,
Director of the Mint, Washington, D. C.

Deducting the value of the gold, lead, and copper contained in silver ores, the commercial value of the silver contained in ores imported was \$4,832,966.

Of the silver ores imported the value of \$4,450,363 was from Mexico, \$1,208,190 from the British possessions in North America, the remainder being small lots from various countries.

The total commercial value of foreign silver bullion and of silver contained in foreign ores imported into the United States during the calendar year 1888 was therefore, according to custom-house reports, \$10,810,002. The average price of silver during the year, based upon daily cable dispatches from London to the Bureau of the Mint, was 42.869 pence per ounce British standard, equivalent, at the par of exchange, to \$0.93,974 per ounce fine. For the purposes of this report the average price is taken as \$0.94 per fine ounce. At this value the silver imports contained 11,500,000 fine ounces, worth at coining rate in silver dollars, \$14,868,686.

There was deposited at the mints and assay offices foreign silver bullion of the coining value of \$1,595,126.

Small lots of foreign silver bullion and of foreign silver ores were re-exported, amounting in all to \$21,007, coining value. Thus a total of \$1,616,133 of foreign silver material is accounted for, leaving foreign silver contained in bullion and ores of the value, at coining rate in silver dollars, of \$13,252,553, which went to private smelting works and refineries and became mixed with the produce of our own mines.

Reports have been received by this Bureau from all of the private refineries in the United States which are known to turn out fine bars of silver. The total reported output of these works in fine silver bars was 51,212,124 ounces. Of this product they report 6,238,854 fine ounces as from "foreign material," 592,267 fine ounces as bullion "from other refineries" (all reported by the Newark refinery), and 1,345,367 fine ounces as the product not classified of States and Territories of the Republic.

Notwithstanding assiduous inquiries on the part of this Bureau, taxing to the utmost the courtesy of the owners and managers of private refining establishments in the United States, the identification of the foreign product in the output of private works is not complete.

The total value, however, of foreign silver bullion and ore, imported into the United States according to custom house returns, exclusive

of the quantity deposited at Government institutions and re-exported, has been deducted from the reported produce of this country.

Another important item which enters into the estimate of the produce of this country is silver contained in exported copper bars, matte, and ore and eventually parted at European refineries. The value of such silver ascertained by the superintendent of the assay office at New York from information obtained from the collector of customs in that city, was 753,629 fine ounces, of which 45,000 ounces was contained in matte received from Canada, leaving 708,629 fine ounces of domestic silver exported in copper ore and matte, without registration at the custom-houses of the United States.

The following letters from the superintendent of the Assay Office at New York will show the details of these values :

UNITED STATES ASSAY OFFICE, NEW YORK CITY,
Superintendent's Office, January 11, 1889.

SIR: In response to request in letter of December 4, to ascertain as nearly as possible "the amount of gold and silver—especially the latter—exported from the port of New York during the calendar year 1888, which escapes registration at the custom-houses in the shape of copper matte or other furnace products," etc., the following estimate is respectfully submitted :

Shippers.	Copper matte, etc.	Silver.
		<i>Ounces.</i>
Abbott & Co.....	989,000 lbs. ; 60 oz. per ton.....	29, 670
American Metal Company.....	4,500,000 lbs. ; 20 oz. per ton	45, 000
Do.....	2,934,000 lbs. ; 90 oz. per ton	132, 030
Ledoux & Co.....	924,000 lbs. ; 12 oz. per ton	5, 544
Lewisohn Bros	1,127,000 lbs. ; 17 oz. per ton	9, 580
Williams & Terhune.....	39,504,880 lbs. ; 18 oz. per ton.....	355, 544
American Metal Company.....	800,000 lbs. (copper); 100 oz. per ton	40, 000
Bridgeport Copper Company	112,000 lbs. (copper); 50 oz. per ton	2, 800
Sundry parties.....	253,576 lbs. (rich ores); 1,052.63 oz. per ton.	133, 461
Total .....	.....	753, 629

Gold in 989,000 pounds copper matte (same matte as first lot in above silver table) at 0.25 ounce per ton, 123.62 ounces gold.

Of the above silver, 45,000 ounces was in matte received from Canada; the remainder, with the gold, was mainly from Colorado, Montana, and Utah.

Very respectfully,

ANDREW MASON,
Superintendent.

Dr. JAMES P. KIMBALL,
Director of the Mint, Washington, D. C.

UNITED STATES ASSAY OFFICE, NEW YORK CITY,
Superintendent's Office, February 6, 1889.

SIR: In reply to your letter of the 4th instant, asking me to make further inquiries in regard to the gold contained in the copper matte and ore exported from the port of

New York during the calendar year 1888, the following statement is respectfully submitted:

The ores (or matte) from sundry persons, valued at \$1,052.63 per ton in silver, were thought to contain little, if any, gold.

The American Metal Company estimates that of its shipments (the silver in which was reported January 11), 2,934,000 pounds copper matte contained an average of one-half ounce gold per ton, equal to 733.50 ounces gold; and 800,000 pounds copper contained an average of 2 ounces gold per ton, equal to 800 ounces gold; making the amount of 1,533.50 ounces gold in addition to that reported in my statement of January 11.

I do not learn that the other shipments of copper and copper matte had any appreciable amount of gold.

Very respectfully,

Dr. JAMES P. KIMBALL,

Director of the Mint, Washington, D. C.

ANDREW MASON,

Superintendent.

The following statement, kindly prepared by the chief of the Bureau of Statistics, shows the classification of "ores" and the quantity and declared values of copper products (ores and mattes) more or less argenteiferous, exported during the calendar year 1888:

DOMESTIC COPPER ORE EXPORTED FROM THE UNITED STATES DURING THE YEAR ENDING DECEMBER 31, 1888.		
Countries to which exported.	Quantities.	Values.
	<i>Tons.</i>	
England	38,300	\$6,608,902
Germany	28	4,080
France	1	200
Italy	1,419	165,980
Nova Scotia, etc		132
	39,748	6,779,294

An item which has been made the subject of much inquiry and correspondence is the large quantity of silver bullion of domestic production used by private refineries in the United States in the preparation of bars for industrial use.

Reports received from forty-nine private establishments in the United States, of which thirty-four manufactured bars, show 2,348,624 fine ounces of silver of domestic production, the coining value being \$3,036,605, as having been made during the year into bars for industrial use. Most of this was reported by large refining establishments.

This amount is largely in excess of the same item reported for previous years, namely, \$208,766 in 1887, \$500,000 in 1886, and \$395,238 in 1885. This is exclusive of the value of bars furnished by Government institutions, as well as of all foreign material and coin.

The estimate of Mr. John J. Valentine, of Wells, Fargo & Co., of the silver product of the States and Territories west of the Missouri River—is \$53,152,747, understood to be at the commercial value of silver. At the average price of silver for the calendar year 1888—94 cents

per fine ounce—the number of fine ounces corresponding to this value was 56,545,475, which at the coining rate in silver dollars would be worth \$73,109,301, or \$14,000,000 more than the estimate of this Bureau.

The production of silver in the United States since 1880 is exhibited in the following table :

. PRODUCTION OF SILVER IN THE UNITED STATES SINCE 1880.		
Years.	Fine ounces.	Coinage value.
1880.....	30,318,750	\$39,200,000
1881.....	33,257,812	43,000,000
1882.....	36,196,875	46,800,000
1883.....	35,732,812	46,200,000
1884.....	37,743,750	48,800,000
1885.....	39,909,375	51,600,000
1886.....	39,445,312	51,000,000
1887.....	41,268,305	53,357,000
1888.....	45,783,632	59,195,000

The number of fine ounces of silver turned out by private refineries during the year, as reported to this Bureau, was 51,212,124. The Government institutions received unrefined silver of domestic production containing 1,916,574 fine ounces. The total product of private and Government refineries was 53,128,698 fine ounces of silver of the coining value of \$68,691,649.

The total refined product of the United States, including foreign material, is exhibited in the following table:

REPORTED SILVER PRODUCT OF REFINERIES IN THE UNITED STATES, 1888.	
Items.	Fine ounces (troy).
Reported product of thirteen private refineries in the United States manufacturing fine silver bars	51,212,124
Unrefined silver deposited at United States mints and assay offices	1,916,574
Total	53,128,698
Commercial value at average price of silver bullion during the calendar year (\$0.94 per fine ounce)	\$49,940,976
Value at coining rate in silver dollars (\$1.2929 per fine ounce)	68,691,649

PRICE OF SILVER.

The price of silver in London at the commencement of the calendar year 1888 was 44½ pence. There was a steady decline until the 19th of May, when the price reached 41½ pence, the lowest on record. It quickly rose to 42 pence, and remained almost stationary for the succeeding three months, June, July, and August, the price not varying more than five-sixteenths from 42 pence.

Early in September a rapid rise took place, owing to a demand for

Spanish coinage, coupled with speculation, so that the price rose two pence in one week, from $42\frac{3}{16}$ pence to $44\frac{3}{16}$ pence.

When the orders for Spanish coinage were filled, no improvement in the rate of exchange, which had been depressed, having occurred, the price of silver fell rapidly to 43 pence, from which rate the variations were only three-eighths pence up to the 1st of December.

At that date, owing to a stringency in the London money market, there was a further fall in the price, and on the 20th of December it reached $42\frac{5}{16}$ pence. Subsequently it rose to $42\frac{5}{8}$ pence, at which rate it closed December 31, 1888.

The average price in London of silver, British standard, .925 fine, according to daily dispatches to the Bureau of the Mint, was 42.869 pence, equivalent at the par of exchange to \$0.93974 per fine ounce. At this price the bullion value of the silver contained in the standard silver dollar was \$0.72683. At the highest rate for silver during the year, $44\frac{3}{16}$ pence, the bullion value of the silver dollar was \$0.75554, and at the lowest rate, $41\frac{5}{8}$ pence, \$0.70574.

The following table exhibits the highest, lowest, and average price of silver in London each month during the calendar year, and the equivalent value of an ounce of fine silver at the par of exchange, and also at the average monthly rate of exchange:

HIGHEST, LOWEST, AND AVERAGE PRICE IN LONDON OF SILVER BULLION, 925 THOUSANDTHS FINE, AND VALUE OF A FINE OUNCE, EACH MONTH, DURING THE CALENDAR YEAR 1888.

[Compiled from daily telegraphic cable dispatches to the Bureau of the Mint.]

Date.	Highest.	Lowest.	Average price per ounce, British standard, .925.	Equivalent in U. S. money, per ounce fine, with exchange at par, \$1.8665.	Average monthly price at New York of exchange on London.	Equivalent in U. S. money of fine bar silver, 1,000 fine, based on average monthly quotations, with exchange at average monthly rate.	Average monthly New York price of fine bar silver.
1888.	<i>Pence.</i>	<i>Pence.</i>	<i>Pence.</i>				
January	$44\frac{3}{16}$	$44\frac{3}{16}$	44.380	\$0.97286	\$1.8637	\$0.97219	\$0.97342
February	$44\frac{3}{16}$	$43\frac{1}{16}$	44.033	.96525	4.8613	.96421	.96630
March	$43\frac{3}{4}$	43	43.293	.94903	4.8757	.95683	.95514
April	$42\frac{7}{8}$	$42\frac{1}{2}$	42.669	.93535	4.8754	.93709	.94085
May	$42\frac{5}{8}$	$41\frac{5}{8}$	42.048	.92174	4.8867	.92577	.92803
June	$42\frac{1}{4}$	42	42.692	.92271	4.8857	.92633	.92639
July	$42\frac{5}{16}$	42	42.111	.92312	4.8836	.92634	.92640
August	$42\frac{1}{8}$	$41\frac{1}{16}$	42.097	.92085	4.8753	.92251	.92287
September ...	$44\frac{1}{4}$	$42\frac{1}{16}$	43.160	.94612	4.8801	.94971	.94947
October	$43\frac{3}{8}$	$42\frac{7}{8}$	43.097	.94474	4.8780	.94697	.94903
November ...	$43\frac{1}{8}$	$42\frac{7}{8}$	43.029	.94325	4.8799	.94595	.94656
December ...	$42\frac{7}{8}$	$42\frac{5}{16}$	42.516	.93200	4.8864	.93581	.93625
Average for the year			42.869	.93974	4.8777	.94190	.94300

SILVER PURCHASES.

The amount of silver delivered on purchases for the standard silver-dollar coinage during the calendar year 1888 was 28,920,398.30 standard ounces, costing \$24,491,340.71, or \$0.846086 per standard ounce, or \$0.94009 per fine ounce.

The total amount of silver purchased from March 1, 1878, to December 31, 1888, for the standard silver-dollar coinage, was 275,007,939.55 standard ounces, costing \$266,091,445.56, or at an average cost per standard ounce of \$0.96758, or \$1.0751 per fine ounce.

In the Appendix will be found tables giving the amount of silver purchased and delivered at the mints each month during the calendar year.

DISTRIBUTION OF THE PRODUCT OF THE UNITED STATES IN GOLD AND SILVER, 1888, BY STATES AND TERRITORIES.

The total amount of gold produced in the United States during the calendar year 1888, as previously explained, being 1,604,841 fine ounces, of the value of \$33,175,000, and of silver 45,783,632 fine ounces, of the value, at coining rate in standard silver dollars, of \$59,195,000, it is of interest to inquire what portion of this aggregate was obtained from mines in each of the producing States and Territories.

This question was confided to officers of the mint service and to special agents selected for particular sections where the mint service has no branches.

The following table presents approximately the distribution, in round numbers, by States and Territories, of the produce of gold and silver, as estimated by this Bureau:

APPROXIMATE DISTRIBUTION, IN ROUND NUMBERS, BY STATES AND TERRITORIES, OF THE ESTIMATED TOTAL PRODUCE OF GOLD AND SILVER IN THE UNITED STATES FOR 1888.

State or Territory.	Gold.		Silver.		Total value.
	Fine ounces.	Value.	Fine ounces.	Value.	
Alaska	41, 119	\$850, 000	2, 320	\$3, 000	\$853, 000
Arizona	42, 159	871, 500	2, 320, 313	3, 000, 000	3, 871, 500
California	616, 781	12, 750, 000	1, 082, 812	1, 400, 000	14, 150, 000
Colorado	181, 793	3, 758, 000	14, 695, 313	19, 000, 000	22, 758, 000
Dakota	125, 775	2, 600, 000	77, 344	100, 000	2, 700, 000
Georgia	5, 031	104, 000	387	500	104, 500
Idaho	116, 100	2, 400, 000	2, 320, 313	3, 000, 000	5, 400, 000
Michigan	2, 032	42, 000	64, 969	84, 000	126, 000
Montana	203, 175	4, 200, 000	13, 148, 437	17, 000, 000	21, 200, 000
Nevada	170, 522	3, 525, 000	5, 414, 062	7, 000, 000	10, 525, 000
New Mexico	29, 122	602, 000	928, 125	1, 200, 000	1, 802, 000

APPROXIMATE DISTRIBUTION, IN ROUND NUMBERS, BY STATES AND TERRITORIES, ETC.—Continued.

State or Territory.	Gold.		Silver.		Total value.
	Fine ounces.	Value.	Fine ounces.	Value.	
North Carolina	6,579	\$136,000	2,707	\$3,500	\$139,500
Oregon	39,909	825,000	11,602	15,000	840,000
South Carolina	1,887	39,000	154	200	39,200
Utah	14,029	290,000	5,414,062	7,000,000	7,290,000
Washington	7,014	145,000	77,344	100,000	245,000
Texas.....			232,031	300,000	300,000
Alabama, Maryland, Tennessee, Virginia, Vermont, and Wyoming.....	1,451	30,000	387	500	30,500
Total	1,604,478	33,167,500	45,792,682	59,206,700	92,374,200

The following table is also presented, showing direct estimates made by officers of the mint service and agents employed by this Bureau in collecting the statistics of production of precious metals in the several States and Territories :

TRIAL TABLE.

DIRECT ESTIMATE BY MINT OFFICERS AND AGENTS OF THE PRODUCT OF GOLD AND SILVER IN STATES AND TERRITORIES.

State or Territory.	Gold.		Silver.		Total value.
	Fine ounces.	Value.	Fine ounces.	Value.	
Alaska	41,119	\$850,000	2,320	\$3,000	\$853,000
Arizona	42,160	871,501	2,753,499	3,560,079	4,431,580
California	616,781	12,750,000	1,314,843	1,700,000	14,450,000
Colorado.....	181,798	3,758,098	18,773,610	24,272,949	28,031,047
Dakota	125,775	2,600,000	135,351	175,000	2,775,000
Georgia.....	5,049	104,380	353	456	104,836
Idaho.....	94,818	1,960,060	2,513,659	3,249,983	5,210,043
Michigan	2,032	42,000	64,969	84,000	126,000
Montana.....	203,187	4,200,253	15,790,736	20,416,305	24,616,558
Nevada.....	170,433	3,523,172	6,374,531	8,241,818	11,764,990
New Mexico.....	29,153	602,637	1,093,950	1,414,400	2,017,037
North Carolina	6,602	136,476	2,707	3,500	139,976
Oregon	39,909	825,000	11,602	15,000	840,000
South Carolina.....	1,894	39,150	162	210	39,360
Utah.....	14,014	289,693	5,848,088	7,561,163	7,850,856
Washington	7,014	145,000	123,750	160,000	305,000
Texas.....			380,067	491,401	491,401
Alabama, Maryland, Tennessee, Virginia, Vermont, and Wyoming.....	1,359	28,105	339	438	28,543
Total	1,583,097	32,725,525	55,184,536	71,349,702	104,075,227

It will be noticed that the sum total of the direct estimates is, as usual, considerably greater in silver than the product of the country as estimated by this Bureau.

Occasion has been taken repeatedly to explain the auxiliary character of direct annual inquiries, on the part of officials of the mint service and special agents of this Bureau, into production of the precious metals, as set forth in statements like the above. The results of similar inquiries have, like the present, materially exceeded the estimates of this Bureau, as derived from mint and custom-house returns and special statements from smelting works and refineries. Nevertheless, returns from direct inquiries are more or less useful in aiding this Bureau to geographically distribute the totals of production ascertained according to its own method.

The tendency to exaggerate in direct statements of production in particular mining localities appears to be promoted by the fact that foreign gold and silver products have for several years largely contributed to the actual output in several States through the operations of reduction works and refineries.

Of the silver product of the United States, more than nine-tenths goes to private refineries, mainly for the reason that much of it is associated with valuable proportions of base metals (lead and copper), which at private reduction works are saved and accounted for, though lost in processes of refining at the mints.

The Bureau is in possession of statements contributed by each of the large private refineries in the United States, showing not only the total produce of gold and silver, but also derivation by State or Territory.

DEPOSITS AND PURCHASES OF GOLD AND SILVER AT THE MINTS AND ASSAY OFFICES OF THE UNITED STATES.

The gold received at the mints and assay offices of the United States during the calendar year 1888, not including re-deposits, was 2,230,432.077 standard ounces, of the value of \$41,496,410.68, against \$74,724,077.85 in the preceding calendar year, a falling off of \$33,227,667.17.

In addition there were re-deposits containing 392,298.531 standard ounces of the value of \$7,298,577.31.

The total gold received during the calendar year 1888, including re-deposits, was 2,622,730.608 standard ounces of the value of \$48,794,987.99, against 4,550,889.536 standard ounces of the value of \$84,667,712.24 in the preceding calendar year.

Of the original deposits of gold at the mints and assay offices, during the calendar year 1888, \$30,775,020.09 was classified as of domestic production, against \$32,444,067.46 in the preceding year, a falling off of \$1,669,047.37.

The foreign gold bullion deposited aggregated \$2,162,384.05, and the foreign gold coin \$4,892,662.15, a total of foreign material of \$7,055,046.20, against \$39,092,051.49 in the preceding year, a falling off in this class of deposits of \$32,037,005.29. This is a marked decline from the value of foreign gold which has in recent years been finding its way to the United States.

The following statement, prepared by the superintendent of the United States assay office at New York, shows the sources of foreign gold and silver bullion deposited at that institution during the calendar year:

FOREIGN GOLD AND SILVER BULLION DEPOSITED AT THE ASSAY OFFICE AT NEW YORK DURING THE CALENDAR YEAR 1888.		
Countries.	Gold. gross value.	Silver. standard ounces.
Africa	\$1,563.32	68.66
British Columbia	1,203.27	5.39
Canada	13,988.67	8.88
Costa Rica	715.69	19.41
Central America (unclassified)	40,978.93	4,398.12
Dutch Guiana (unclassified)	20,793.01	48.02
Ecuador	3,963.11	86.81
Guatemala	506.08	2.14
Honduras	15,729.07	55,636.37
Mexico	517,037.83	650,956.76
New Granada	1,657.52	111.17
Nova Scotia	437,375.31	499.67
Nicaragua	20,724.33	463.50
Peru	10,374.95	90.48
San Salvador	49,064.13	-----
Surinam	8,438.16	22.44
South America (unclassified)	71,361.01	1,075.19
United States of Colombia	135,222.79	1,367.44
Venezuela	3,209.74	10.48
Unknown	248.78	8,788.38
Total	1,354,155.70	723,659.31

The following statement shows the sources of foreign bullion deposited at the mint at San Francisco during the year:

FOREIGN GOLD AND SILVER BULLION DEPOSITED AT THE MINT AT SAN FRANCISCO DURING THE CALENDAR YEAR 1888.			
Country where produced.	Gold.	Silver.	Total.
Mexico	\$260,955.93	\$611,802.87	\$872,758.80
British Columbia	112,806.34	739.68	113,546.02
New Zealand	261,536.13	-----	361,536.13
Total	735,298.40	612,542.55	1,347,840.95

The following table shows the value of foreign gold coins deposited at the assay office at New York during the calendar year :

FOREIGN GOLD COINS DEPOSITED AND MELTED AT THE ASSAY OFFICE AT NEW YORK DURING THE CALENDAR YEAR 1888.

Countries of coinage.	Denominations of coins.	Gold value (gross).	Silver part- ed (stand- ard ounces).
Central America.....	Mixed.....	\$1,569.67	7.77
Costa Rica.....	do.....	3,220.97	12.57
England.....	Sovereigns.....	30,781.01	.....
Germany.....	20 marks.....	39,113.79	.....
Mexico.....	20 pesos.....	66,983.33	.....
Do.....	10 pesos.....	12,613.79	.....
Do.....	Dobloons.....	1,360.11	.....
Do.....	One-fourth doubloon..	2,352.15	.....
Do.....	Mixed.....	72,828.89	4.42
Peru.....	20 soles.....	2,500.29	.....
Spain.....	25 pesetas.....	25,929.46	.....
Do.....	Dobloons.....	814,574.69	3,698.18
Do.....	One-fourth doubloon..	31,030.45	129.23
Do.....	Mixed.....	81,854.07	197.61
South America.....	do.....	6,572.59	10.18
United States of Colombia.....	do.....	2,593.44	12.86
Venezuela.....	do.....	32,107.19	130.09
Do.....	100 bolivars.....	2,350.69	7.44
Do.....	20 pesos.....	26,484.87	82.87
Mixed foreign coin.....	.....	228,499.41	183.50
Total.....	.....	1,485,320.86	4,476.72

The following tables show deposits of foreign coins at the mints at Philadelphia, San Francisco and New Orleans during the calendar year :

FOREIGN GOLD AND SILVER COINS DEPOSITED AND MELTED AT THE MINT AT PHILADELPHIA DURING THE CALENDAR YEAR 1888.

Countries of coinage.	Total value of gold coin.	Total value of silver coin.	Total by countries of coinage.
Great Britain.....	\$1,417.20	.....	\$1,417.20
Japan.....	117.00	.....	117.00
South Africa.....	5.00	.....	5.00
Mexico.....	19.35	\$2,092.85	2,112.20
Spain.....	5.00	83.54	88.54
France.....	6.00	.....	6.00
United States of Colombia.....	.....	137.75	137.75
Unknown.....	691.95	254.68	946.63
Total.....	2,261.50	2,568.82	4,830.32

APPROXIMATE VALUE OF FOREIGN GOLD COINS DEPOSITED AND MELTED AT
THE MINT AT SAN FRANCISCO DURING THE CALENDAR YEAR 1888.

Country.	Value.
England (sovereigns)	\$3, 275, 583. 65
Mexico	71, 254. 30
Mixed foreign coins.....	15, 103. 79
Costa Rica	2, 351. 35
Mixed foreign and mutilated United States coin.....	22, 802. 47
Total	3, 387, 095. 56

FOREIGN GOLD AND SILVER COINS DEPOSITED AND MELTED AT THE MINT AT
NEW ORLEANS DURING THE CALENDAR YEAR 1888.

Countries.	Gold coins.	Silver coins.
South America	\$522. 68	\$132. 13
Mexico	3, 559. 90	17, 274. 89
Peru.....		404. 26
Guatemala.....	864. 63	
Spain	3, 470. 66	
Mixed foreign	6, 611. 02	1, 783. 81
Total	15, 028. 89	19, 595. 09

In addition to the deposits of domestic bullion and foreign bullion and coin, were deposited for recoinage United States light-weight gold coins of the value of \$507,916.25, and old material consisting of jewelry, bars, plate, etc., containing gold of the value of \$3,158,423.14.

Deposits and purchases of silver during the calendar year 1888, not including re-deposits, were 35,512,789.55 standard ounces, of the coining value of \$41,323,973.18, against 39,858,958.27 standard ounces, of the coining value of \$46,381,333.01, in the year preceding. There were re-deposits of silver containing 213,985.19 standard ounces, of the coining value of \$249,000.92.

The total deposits and purchases of silver were 35,726,774.74 standard ounces, of the coining value (in standard silver dollars) of \$41,572,974.10, against 40,345,759.72 standard ounces, of the value of \$46,947,792.88, in the preceding year.

It will be noticed that the deposits of silver during the calendar year 1887 included \$7,789,374.57, the coining value in silver dollars of trade dollars redeemed and deposited at the mints and at the assay office at New York. Hence the reduced receipts of silver at the mints during the last calendar year as compared with the year preceding.

Of the deposits and purchases of silver during the year 33,171,420.71 standard ounces, of the coining value of \$38,599,471.29, was classified as of domestic production. Of this 31,041,894.15 standard ounces, of the coining value of \$36,121,476.79, consisted of bars of fine silver manufactured by private refineries in the United States, and was mostly eventually purchased for the mandatory coinage of the standard silver dollar. These bars were composed in part of silver obtained from Mexican ores reduced, and from Mexican bullion refined, in this country, as already explained in this report and at length in previous reports of this series. The silver acquired by the mints and there classified as of domestic production does not, therefore, as in the case of gold, even approximately represent the produce of the mines of the United States.

Of foreign silver bullion, distinctively known to be such, there was received at the mints during the year 1,370,811.92 standard ounces, of the coining value of \$1,595,126.58, and of foreign silver coins 45,667.21 standard ounces, of the coining value of \$53,140.01.

United States silver coins, consisting almost entirely of transfers from the Treasury of worn and uncurrent subsidiary coins and silver dollars, melted at the mints, contained 390,640.86 standard ounces, of the coining value in silver dollars of \$454,563.91.

The following table shows denominations and values of United States silver coins transferred during the year to the mint at Philadelphia for recoinage:

RECOINAGE OF UNITED STATES SILVER COIN AT THE MINT AT PHILADELPHIA DURING THE CALENDAR YEAR 1888.	
Denominations.	Nominal value.
Dollars	\$31, 132. 00
Half-dollars	236, 318. 50
Quarter-dollars	171, 628. 00
Dimes	27, 955. 00
Half-dimes	17, 921. 80
20-cent pieces	2, 339. 60
3-cent pieces	1, 579. 42
Total	488, 874. 32

In addition to deposits of United States coin, trade dollars were deposited containing 4,928.77 standard ounces of silver of the coining value of \$5,735.30.

Old material, consisting of plate, jewelry, etc., was deposited, containing 529,320.08 standard ounces of silver of the coining value of \$615,936.09.

The value of all the gold and silver deposited and purchased at the mints and assay offices of the United States during the calendar year, not including re-deposits, was \$82,820,383.86, and including re-deposits, \$90,367,962.09.

A statement of the value of the gold and silver received at the mints and assay offices of the United States (not including re-deposits) each calendar year since 1880 is here appended:

GOLD AND SILVER (NOT INCLUDING RE-DEPOSITS) RECEIVED AT THE MINTS
AND ASSAY OFFICES DURING THE CALENDAR YEARS 1880-1888.

Calendar years.	Gold.	Silver.	Total.
1880.....	\$100,278,703	\$35,103,825	\$135,382,528
1881.....	98,763,426	30,326,848	129,090,274
1882.....	41,921,263	35,161,254	77,082,517
1883.....	51,089,456	36,978,184	88,067,640
1884.....	50,518,179	36,670,731	87,188,910
1885.....	44,714,052	35,826,725	80,540,777
1886.....	66,422,088	39,086,070	105,508,158
1887.....	74,724,077	46,381,333	121,105,410
1888.....	41,496,410	41,323,973	82,820,383

In the Appendix will be found the usual tables exhibiting in detail, by weight and value, deposits and purchases of gold and silver at the mints and assay offices during the calendar year.

Also statements showing States and Territories from which the unrefined gold and silver received at the mints were produced.

Also statements showing the value of the precious metals received at the Government institutions from each State and Territory since the organization of the Mint.

COINAGE DURING THE CALENDAR YEAR 1888.

The coinage executed at three of the coinage mints of the United States, namely, at Philadelphia, San Francisco, and New Orleans (coinage at the mint at Carson having been suspended since March 8, 1885), consisted, during the calendar year 1888, of 90,941,528 pieces of the value of \$65,318,615.23.

The coinage, in comparison with that of the preceding calendar year, is exhibited in the following table :

COINAGE EXECUTED AT THE MINTS OF THE UNITED STATES DURING THE CALENDAR YEARS 1887 AND 1888.				
Coins.	1887.		1888.	
	Pieces.	Value.	Pieces.	Value.
Gold.....	3,086,873	\$23,972,383.00	2,238,562	\$31,380,808.00
Silver dollars.....	33,611,710	33,611,710.00	31,990,833	31,990,833.00
Subsidiary silver.....	15,754,809	1,579,371.40	8,456,153	1,034,773.45
Minor.....	60,498,096	1,215,686.26	48,255,980	912,200.78
Total.....	112,951,488	60,379,150.66	90,941,528	65,318,615.23

The usual table exhibiting, by denominations of pieces, the output of each mint during the calendar year will be found in the Appendix.

The table showing the coinage, by institutions and by denominations of pieces, each calendar year since the organization of the Mint at Philadelphia in 1792, compiled first for the fiscal report of this Bureau, 1887, has been further revised, and brought down to the close of the calendar year 1888, will be found in the Appendix.

Attention was called in the last report of this series, and also in the fiscal report, 1888, to the fact that statements of coinage are not invariably exact as to the date of pieces, for the reason that deliveries of finished coins to superintendents by coiners in one calendar year have sometimes included pieces bearing date of a prior year.

MANUFACTURE OF GOLD AND SILVER BARS.

Bars of gold were manufactured during the calendar year 1888 containing 1,217,480.419 standard ounces of gold of the value of \$22,650,798.47, and silver bars containing 6,561,749.89 standard ounces of the coining value in silver dollars of \$7,635,490.71.

As usual the bulk of these bars was manufactured at the assay office at New York, the value of the bars turned out by that institution during the year being \$23,912,036.11, or \$18,382,819.30 of gold and \$5,529,216.81 of silver.

Of the bars manufactured at all of the institutions, \$16,801,187.63 of gold and \$7,375,139.22 of silver were fine bars; \$1,660,686.25 gold and \$146,217.41 silver mint bars; \$101,528.51 gold and \$22,214.98 silver standard bars; \$427,325.27 gold sterling bars; and \$3,660,070.81 gold and \$91,919.10 silver unparted bars, principally the produce of the small assay offices of the United States.

IMPORTS AND EXPORTS OF PRECIOUS METALS DURING CALENDAR YEAR 1888.

GOLD.—The value of gold bullion imported into the United States during the calendar year 1888, according to statements communicated from the custom-houses, was \$1,599,691; none of which consisted of bars of the United States mints or assay offices. All is, therefore, presumed to have been foreign bullion, imported into this country principally for refining.

The manifested value of gold coin imported was \$9,361,082, of which \$1,169,326 consisted of United States coin and \$8,191,756 of foreign coin.

Of foreign gold bullion there was re-exported the small sum of \$31,933, while of bullion of domestic production there was exported \$25,799,677, of which \$23,874,086 consisted of United States mint and assay office bars and \$1,925,591 of other bullion.

Of foreign gold coin there was re-exported \$5,920,089 and of United States coin exported \$2,774,748.

The large export of gold bullion is noticeable as compared with the import of foreign gold bullion and coin.

The import of silver bullion as manifested at the custom-houses was of the commercial value of \$5,977,036. None of this consisted of United States bars, but all was presumably foreign silver bullion brought to this country for refining.

There was exported during the year domestic silver bullion of the value of \$22,581,516 at custom-house valuation, presumably commercial. Of this value, \$846,350 consisted of United States mint and assay office bars, exported principally at the port of San Francisco, probably to Oriental countries, and \$21,735,166 of other bars.

The imports of silver coin aggregated \$9,930,933, of which \$9,691,977 consisted of foreign coin, \$928 of trade-dollars, and \$238,028 of United States coin, presumably subsidiary silver.

There was re-exported of foreign silver bullion the small sum of \$228, and of foreign silver coin \$7,233,385, and exported of our own silver coin, presumably subsidiary, \$65,276..

Gold ores of the value of \$71,168 and silver ores of the value of \$5,684,093 were imported into the United States during the calendar year, principally from Mexico.

The value of the lead contained in silver ores is included in this amount, the value of such lead imported in silver ores through the customs district of Paso del Norte during the year aggregating \$832,944, and of copper \$1,870.

The value of the base metals in silver ores imported at the other customs districts is not reported. But as the bulk of the silver ores which found their way into the United States during the year entered the ports of the customs district of Paso del Norte, the amounts given approximately represent the value of such base metals imported in silver ores during the calendar year.

Gold and silver-bearing ores of the United States were exported of the value of \$125,153, and foreign silver ores were re-exported of the value of \$15,045.

The movement of the precious metals, including the gold and silver-bearing ores, to and from the United States, during the calendar year 1888, is exhibited in the following table:

MOVEMENT OF GOLD AND SILVER COIN, BULLION, AND ORE DURING THE CALENDAR YEAR 1888.

Metals.	Imports.	Exports.	Gain.	Loss.
Gold bullion	\$1,599,691	\$25,799,677	.....	\$24,199,986
Gold in ores	71,168	125,153	.....	53,985
Gold coin, foreign	8,191,756	5,920,089	\$2,271,667	.....
Total foreign	9,862,615	.....	.....	.....
Gold coin, United States	1,169,326	2,774,748	.....	1,605,422
Total, foreign and domestic	11,031,941	34,619,667	2,271,667	25,859,393
Silver bullion	5,977,036	22,581,516	.....	16,604,480
Silver ores	5,684,093	15,045	5,669,048	.....
Silver coin, foreign	9,691,977	7,233,385	2,458,592	.....
Total foreign	21,353,106	.....	.....	.....
United States coin	238,028	65,276	172,752	.....
Trade-dollars	928	.....	928	.....
Total, foreign and domestic	21,592,062	29,895,222	8,301,320	16,604,480
Total gold and silver	32,624,003	64,514,889	.....	.....
Net loss .....	.....	.....	.....	31,896,886

In the Appendix will be found the usual tables, showing by months and by customs districts imports into the United States of coin, bullion, and ore, and exports of the same during the calendar year 1888.

The following table, contributed by the chief of the Bureau of Statistics, shows the countries from which precious metals were imported into the United States during the year:

IMPORTS OF GOLD AND SILVER ORE, BULLION, AND COIN INTO THE

Countries from which imported.	GOLD.	
	Ore.	Bullion.
Brazil.....	\$9	
Central American States:		
Costa Rica.....		\$9,600
Guatemala.....		35
Honduras.....	2,506	2,775
Nicaragua.....		19,300
China.....	47,509	
Denmark.....		
Danish West Indies.....		
France.....		
French Possessions, all other.....		
Germany.....		62
England.....	10	5,142
Nova Scotia, New Brunswick, and Prince Edward's Island.....	22	2,794
Quebec, Ontario, Manitoba, and the Northwest Territory.....		1,370
British Columbia.....		543,819
West Indies.....		13,397
Honduras.....		23,590
East Indies.....		
Africa.....	194	11,953
Australasia.....		363,235
Hawaiian Islands.....		
Haiti.....	211	
Italy.....		
Japan.....		
Mexico.....	22,117	347,820
Dutch West Indies.....		1,159
Dutch Guiana.....		25,650
Azore, Madeira, and Cape Verde Islands.....		
San Domingo.....		
Cuba.....		3,020
Porto Rico.....		
Sweden and Norway.....		
Switzerland.....		86
United States of Colombia.....	19	222,811
Venezuela.....		1,923
All other countries.....	71	150
Total.....	72,668	1,599,691

UNITED STATES DURING THE YEAR ENDING DECEMBER 31, 1888.

GOLD.		SILVER.				Total.
Coin.		Ore.	Bullion.	Coin.		
United States.	Foreign.			United States.	Foreign.	
\$100	\$2,000					\$2,100
3,686	300			\$25	\$28	13,639
	3,795					3,830
		\$8,247	\$23,409	5,364	37,345	79,646
3,422	750				640	24,112
9,200		114			100,030	156,853
	2,500					2,500
21,410	89			1,940	15,699	39,138
100,360	2,744,519				108,037	2,952,916
950	7,036				39,424	47,410
100,020	936,800		48	4,895	99,650	1,141,475
61	445	9		179	63,174	69,020
						2,816
39,276	15,000	1,208,190	10,800	30,069		1,304,705
1,505		11,422				556,746
71,476	49,500			36,842	34,556	205,771
750					265,001	289,341
				239	64	303
	12,696			2,611	6,353	33,807
	2,824,268	137			16,875	3,204,515
25,633	1,938			1,085		28,676
30,241	5,055			7,612	55,360	98,479
	386					386
31,790	24,558			900		57,158
45,088	573,137	4,450,363	5,054,402	5,279	8,649,007	19,147,213
38,172	1,000			5,713	12,285	58,329
						25,650
68,375	262			50	4,731	73,418
1,315	14,020			2,591	9,113	27,039
418,896	904,181		1,121	120,411	153,412	1,601,041
700	2,300				450	3,450
2,100						2,100
						86
42,589	14,717	3,532	887,256	10,611	15,664	1,197,199
112,281	50,504			2,540	5,079	172,327
		579				800
1,169,326	8,191,756	5,682,593	5,977,036	238,956	9,691,977	32,624,003

The following statement, showing imports of gold and silver coin, bullion, and ore into the United States through the ports of entry of the customs district of Paso del Norte during the calendar year 1888, is presented:

IMPORTS OF GOLD AND SILVER COIN, BULLION, AND ORE INTO THE UNITED STATES THROUGH THE PORTS OF ENTRY OF THE CUSTOMS DISTRICT OF PASO DEL NORTE DURING THE CALENDAR YEAR 1888.

GOLD.

Ports.	Foreign coin.	Bars, bullion.	Ores.		Total.
			Tons.	Value.	
El Paso.....	\$459,957	\$83,402	.....	.....	\$543,359
Nogales	47,412	165,454	64	\$16,038	228,904
Deming.....	.....	.....	.....	.....	.....
Hereford.....	.....	.....	.....	.....	.....
Tombstone .....	.....	.....	.....	.....	.....
Yuma .....	.....	528	7	275	803
Total	507,369	249,384	71	16,313	773,066

SILVER.

Ports.	Foreign coin.	Bars, bullion.	Ores.		Total.	Total gold and silver.
			Tons.	Value.		
El Paso.....	\$6,792,643	\$2,045,452	66,029	\$3,500,384	\$12,338,479	\$12,881,838
Nogales	176,957	410,006	4,601	434,022	1,020,985	1,249,889
Deming.....	.....	.....	132	16,000	16,000	16,000
Hereford .....	.....	.....	10	1,800	1,800	1,800
Tombstone .....	.....	.....	150	22,538	22,538	22,538
Yuma .....	.....	.....	.....	.....	.....	803
Total	6,969,600	2,455,458	70,922	3,974,744	13,399,802	14,172,868

The following statement exhibits imports of silver coin and silver ores from Mexico through the port of Eagle Pass, Texas, during the year 1888, no gold or silver bullion having been imported through that port:

IMPORTS OF SILVER COIN, AND SILVER ORES CONTAINING LEAD, AT THE PORT OF EAGLE PASS, TEXAS, FROM MEXICO DURING THE CALENDAR YEAR 1888.

Port of entry.	Silver, foreign coin.	Silver ores (containing lead and silver in combined form).					Remarks.
		Tons of ore.	Pounds of lead.	Value of lead.	Value of silver.	Total value of ore.	
Eagle Pass...	\$155, 114	13, 125	10, 000, 300	\$87, 175	\$282, 215	\$369, 390	No gold or silver bullion imported.

The following table shows imports of gold and silver coin, bullion, and ore into the United States through the ports of entry of the customs district of Corpus Christi during the calendar year 1888:

IMPORTS OF GOLD AND SILVER COIN, BULLION, AND ORE INTO THE UNITED STATES THROUGH THE PORTS OF ENTRY OF THE CUSTOMS DISTRICT OF CORPUS CHRISTI DURING THE CALENDAR YEAR 1888.

Port of entry.	Foreign gold coin.	Foreign silver coin.	Silver bullion.	Silver ore.		Total.
				Tons.	Value.	
Laredo	\$3, 932	\$355, 119	\$86, 171	11, 680	\$184, 921	\$630, 143

The following statement shows imports of gold and silver, coin and bullion, through the port of New Orleans, during the calendar year 1888, and the countries from which exported:

IMPORTS INTO THE CUSTOMS DISTRICT OF NEW ORLEANS OF GOLD AND SILVER, COIN AND BULLION, DURING THE CALENDAR YEAR 1888.

Countries.	GOLD.			SILVER.			Total.
	Foreign bullion.	Coin.		Ores.	Coin.		
		American.	Foreign.		American.	Foreign.	
Costa Rica.....	\$8, 000						\$8, 000
Honduras.....					\$5, 000	\$37, 941	42, 941
Nicaragua.....		\$2, 000				640	2, 640
British Honduras..	23, 590				185	263, 409	287, 184
Mexico.....		1, 000		\$161, 562		44, 005	206, 567
Cuba.....						1, 000	1, 000
Colombia.....		970					970
Total.....	31, 590	3, 970		161, 562	5, 185	346, 995	549, 302

The following table shows manifested imports and exports of gold and silver, coin and bullion, at the port of San Francisco, during the calendar year 1888, with the names of the countries from which precious metals were received, and the destination of exports:

IMPORTS AND EXPORTS OF GOLD AND SILVER AT SAN FRANCISCO DURING THE
CALENDAR YEAR 1888.

IMPORTS.

Country of shipment.	Silver bullion.	Trade-dollars.	Silver coin.	Gold bullion.	Gold coin.	Total.
British Possessions in Australasia			\$16, 875	\$363, 235	\$2, 835, 718	\$3, 215, 828
Mexico	\$2, 367, 373		376, 868	16, 186	82, 608	2, 843, 035
British Columbia				543, 819	1, 505	545, 324
China			100, 030		9, 200	109, 230
Japan		\$900			56, 258	57, 158
French Possessions			39, 424		7, 986	47, 410
Hawaiian Islands			4, 425		27, 591	32, 016
Guatemala					3, 795	3, 795
Costa Rica					2, 450	2, 450
Total	2, 367, 373	900	537, 622	923, 240	3, 027, 111	6, 856, 246

EXPORTS.

Destination.	Silver bullion.	Foreign silver coin.	Silver coin.	Gold bullion.	Gold coin.	Total.
Hong-Kong	\$4, 647, 900	\$3, 756, 478	\$1, 206, 665	\$11, 565	\$441, 098	\$10, 063, 706
British East Indies ..	3, 380, 800	64, 000	52, 000			3, 496, 800
Japan	1, 938, 300	60, 000	120, 000			2, 118, 300
Hawaiian Islands					320, 600	320, 600
Guatemala	1, 300	8, 300	1, 500		118, 391	129, 491
Mexico		34, 335	5, 000		4, 000	43, 335
San Salvador		28, 438	2, 008		780	31, 226
Costa Rica					16, 196	16, 196
Chili		7, 357				7, 357
Colombia					5, 000	5, 000
British Possessions in Australasia		3, 800				3, 800
Nicaragua					1, 015	1, 015
Total	9, 968, 300	3, 962, 708	1, 387, 173	11, 565	997, 080	16, 236, 826

In the last report of this series attention was directed to the fact that ores imported from Mexico into the United States for reduction and refining, mainly through the ports of entry on the Mexican frontier, were reported to the Bureau of Statistics and published in customs returns as imports of silver ores, although the value of the silver was not accurately determined, and although included in the declared value was a considerable amount proportional to large quantities of accompanying lead and also some copper and gold.

Measures were adopted over a year ago to enable the collector of the district of Paso del Norte to verify by assay not only the manifested value of silver in ores but likewise the proportion of the principal base metals.

The value of lead included in the silver ores imported through the customs district of Paso del Norte during the year 1887 was stated in the last report of this series to have been \$491,295. This value was deducted from the declared value of silver ores imported.

The following table, which has been compiled from monthly returns kindly furnished this Bureau by collectors of customs, shows approximately imports during 1888 of Mexican silver ores, along with the accompanying lead and copper, as well as gold.

While similar data in regard to Mexican ores have been previously employed by this Bureau, the statistics of base metals incidental to those of associated precious metals are for the first time published in order to satisfy inquiries, notably as to the free importation of lead in argentiferous ores.

IMPORTATION OF SILVER ORES, AND INCIDENTALLY ACCOMPANYING LEAD AND COPPER, FOR THE CALENDAR YEAR ENDED DECEMBER 31, 1888.

Customs districts.	Total pounds ore.	Pounds lead contained.	Value of lead contained.	Value of copper contained.	Value of gold contained.	Value of silver contained.	Total value.
Paso del Norte....	141, 845, 908	41, 647, 291	\$832, 944	\$1, 870	\$16, 313	\$3,974, 744	\$4, 825, 871
Eagle Pass	26, 250, 000	10, 000, 300	87, 175	.....	.....	282, 215	369, 390
Corpus Christi....	23, 360, 000	.....	.....	.....	.....	184, 921	184, 921
New Orleans.....	.....	.....	.....	.....	.....	161, 562	161, 562
San Francisco .....	.....	.....	.....	.....	47, 725	438, 934	486, 659
New York.....	.....	.....	.....	.....	2, 855	142, 606	145, 461
Other .....	.....	.....	.....	.....	4, 275	499, 111	503, 386
Total	191, 455, 968	51, 647, 591	920, 119	1, 870	71, 168	5, 684, 093	6, 677, 250

STOCK OF COIN IN THE UNITED STATES.

In continuation of the series of estimates exhibited in the reports of this Bureau since 1873, the following table of the stock of gold and silver coin in the United States January 1, 1889, is presented:

ESTIMATE OF STOCK OF COIN IN THE UNITED STATES JANUARY 1, 1889.

	Gold.	Silver.	Total.
Stock of coin January 1, 1888.....	\$581, 838, 216	\$359, 615, 800	\$941, 454, 016
Coinage for calendar year 1888.....	31, 380, 808	33, 025, 606	64, 406, 414
Net imports .....	.....	172, 752	172, 752
Total	613, 219, 024	392, 814, 158	1, 006, 033, 182
Loss:			
Net exports.....	1, 605, 422	.....	1, 605, 422
Transfers and deposits of United States coin for recoinage	507, 916	452, 736	960, 652
Used in the arts	3, 500, 000	200, 000	3, 700, 000
Total	5, 613, 338	652, 736	6, 266, 074
Stock of coin January 1, 1889	607, 605, 686	392, 161, 422	999, 767, 108

It will be noticed that the value of silver coin of the United States transferred from the Treasury and deposited for recoinage, namely, \$452,736, deducted in the above statement, does not agree with the corresponding item, as shown in tables in the Appendix.

The difference is explained by the fact that there was transferred from the Treasury of the United States to the mint at Philadelphia, during the year, for recoinage into subsidiary silver coin, the sum of \$31,132 in standard silver dollars.

This sum has been deducted from the item of "transfers and deposits of United States coin for recoinage" in the above estimate, in order to show the amount of subsidiary silver coin deposited.

In regard to these dollars, it may be proper to state that their sum has not been deducted from the stock of coin in the United States, for the following reasons:

From the records of the mint and of the Treasury Department, they may be classified as follows:

Date unknown.....	1,238
Coined prior to 1878.....	4,158
Coined since 1878.....	25,736
Total.....	31,132

No silver dollars coined prior to the passage of the act of February 28, 1878, are included in estimates of this Bureau of the stock of standard silver dollars in the United States.

It would therefore not be proper to deduct from the stock of silver dollars in the country those enumerated above, coined prior to 1878.

The initial estimate of the stock of subsidiary silver coins in the United States July 1, 1873, was \$5,000,000. Prior to the act of February 28, 1878, re-authorizing coinage of the silver dollar, no coinage of this denomination has, in the estimates of this Bureau, ever been counted as in circulation. The stock of silver dollars cited has always been the actual coinage under that act to the date of the estimate.

The recoinage of the 25,736 silver dollars coined since 1878 has not been deducted, for the reason that silver dollars of prior date in circulation more than offset, as it is believed, the recoinages that have since taken place.

In addition to 25,736 silver dollars of date subsequent to 1878 re-coined at the mint at Philadelphia during the year, there were 1,837 also of subsequent date re-coined during the calendar year 1885; making in all 27,573 silver dollars later in date than 1878 which have been re-coined.

The total coinage of silver dollars at the mints of the United States prior to 1878 amounted to \$8,031,238.

As these dollars were rarely seen in circulation, and as the bullion value of the silver dollar was greater than that of the gold dollar prior to 1873, in which year coinage of the silver dollar was suspended, it has been

the theory, as still believed, that the major portion of the whole coinage had been either melted or exported.

Yet these coins are occasionally met with in circulation. Finding their way to the Treasury of the United States, they are circulated the same as late coinages, or when deemed advisable recoined into subsidiary coins.

In addition to gold and silver coin estimated to have been in the country, the value of gold and silver bullion in the mints and assay offices of the United States awaiting coinage January 1, 1889, was as follows:

GOLD AND SILVER BULLION IN MINTS AND ASSAY OFFICES DECEMBER 31, 1888.	
Metals.	Value.
Gold	\$97, 456, 289
Silver (cost)	11, 355, 334
Total.....	108, 811, 623

Adding the value of the bullion to the stock of coin, the total metallic stock in the United States January 1, 1889, was as follows:

TOTAL METALLIC STOCK JANUARY 1, 1889.	
Metals.	Value.
Gold	\$705, 061, 975
Silver (the bullion in the mints at cost value)	403, 516, 756
Total.....	1, 108, 578, 731

The stock of coin and bullion in the United States January 1, 1888, one year previous, was \$1,075,425,527; hence an increase in the metallic stock during the calendar year of \$33,153,204. All of this increase, except \$78,623, was in silver.

Notwithstanding the large deposits of gold during the year at public institutions, aggregating in value \$41,496,410.68, of which \$31,380,808 was made into coin, the total gold stock of the country increased only \$78,623, owing to the large export of gold from the United States. This amounted to \$23,874,086 in United States mint or assay-office bars, all exported from New York, and nearly all since the 1st of May, together with other gold bullion of the value of \$1,925,951, plus a net export during the year of domestic gold coin amounting to \$1,605,422. Hence a marked reduction from the large annual increase of recent years in the gold stock of the country. This fact is especially notable.

The ownership, as distinguished from the location, of gold and silver coins estimated to have been in the country on January 1, 1889, together with bullion in the mints awaiting coinage at that date, is exhibited in the following table:

STOCK AND OWNERSHIP OF GOLD AND SILVER COIN IN THE UNITED STATES
JANUARY 1, 1889, AND GOLD AND SILVER BULLION IN THE MINTS AWAIT-
ING COINAGE.

Ownership.	Gold coin and gold bullion.	Silver coin and bullion.				Total gold and silver coin and bullion.
		Full legal-tender coin.	Subsidiary coin.	Bullion.	Total.	
Treasury	*\$204, 422, 053	†\$8, 186, 870	\$23, 655, 458	\$11, 355, 334	\$43, 197, 662	\$247, 619, 715
National banks...	‡153, 558, 608	§15, 899, 470	3, 276, 200	.....	19, 175, 670	172, 734, 278
Banks other than national (values specifically reported) .....	||44, 288, 254	1, 912, 020	} 49,943,574	}	1, 912, 020	46, 200, 274
Banks other than national (values not specifically reported) and in private hands...	302, 793, 060	289, 287, 830			339, 231, 404	642, 024, 464
Total	705, 061, 975	315, 286, 190	76, 875, 232	11, 355, 334	403, 516, 756	1, 108, 578, 731

* Gold coin in the Treasury and gold bullion in the mints and assay offices, exclusive of outstanding gold certificates, \$120,888,448.

† Silver dollars in the Treasury, exclusive of outstanding silver certificates, \$246,219,999.

‡ Includes Treasury and clearing-house gold certificates, \$82,733,420.

§ Includes Treasury silver certificates, \$8,812,844.

|| Cash on hand reported to the Comptroller of the Currency by 3,527 banks other than national (savings-banks, 801; State banks, 1,403; loan and trust companies, 120; private banks, 1,203), about June 30, 1888:

Items.	Value.	Taken as gold.
Gold coin	\$5, 587, 144	.....
Gold certificates	591, 385	\$6, 178, 529
Silver coin	1, 358, 513	.....
Silver certificates	553, 567	.....
Specie.....	18, 445, 351	18, 445, 351
Legal-tender and national-bank notes.....	28, 954, 575	.....
Not classified:		
California banks	19, 664, 374	19, 664, 374
Other banks	86, 340, 884	.....
Total.....	161, 495, 733	44, 288, 254

In the above table the amount of gold coin reported by banks other than national at the close of the fiscal year 1888, being the nearest date up to which reports have been received, is placed at \$44,288,254, the

amount specifically reported to the Comptroller of the Currency by 3,527 banks. But of the assets reported by these banks the large sum of \$86,340,884 was reported as "cash not classified."

How much of this was gold it is not possible to say, but it may be presumed that a large portion of the gold forming a part of the reserve of all banks was United States coin.

Moreover, the banks, both national and others, whose holdings of gold coin are presented in this table constitute less than two-thirds of all the banks in the United States, the number of national banks from which reports were received being 3,150, and banks other than national 3,527.

According to the "Bankers' Almanac" of January, 1889,* there were then in the United States 10,324 banks and trust companies, the location of which is given. There were 3,647 institutions, therefore, from which no reports were received and whose holdings of gold coin are not presented in the above table.

This fact has an important bearing on the question of location of the large potential or registered stock of gold coin in the United States estimated by the Bureau of the Mint, so little of which is in visible circulation outside of the States of the Pacific coast.

Of the amount of gold coin estimated to have been in the United States on January 1, 1889, viz, \$607,605,686, the Treasury and its branches held \$227,854,212; national banks (December 12, 1888) \$78,224,188; 3,527 banks other than national (June 30, 1888) \$44,288,254; a total visible stock of \$350,366,654; leaving \$257,239,032 in gold coin, according to the estimate of the Bureau of the Mint, outside of the Treasury, national banks, and the gold holdings specifically reported by banks other than national, 3,527 in number.

When it is considered that this amount embraces the holdings of so large a number of private and State banks not reporting, as well as the stock of coin in circulation on the Pacific coast, it does not seem excessive, nor does it necessitate an assumption that any very large amount is hoarded in the ordinary sense of that term.

It may safely be said that, for recent years at least, the statistics of the movement of the precious metals, especially coin, have been so carefully recorded that no considerable error can have entered into the estimate of the stock of coin in the United States.

There is no evidence of any important amount of gold having left the country besides that registered at the custom-houses. The countries of this continent, other than the United States, offer no such demand for gold coin as to justify the assumption that any considerable amount has been carried thither without public record. As stated in recent reports of this Bureau the amount of coin carried out of the coun-

*Homan's Bankers' Almanac and Register and Legal Directory, January, 1889.

try on the persons of travelers is believed to be offset by the amount brought in by those returning and by immigrants.

Gold coin and bullion.	In Treasury.	In circulation.	Total.
January 1, 1889	\$203, 885, 219	\$500, 722, 950	\$704, 608, 169
January 1, 1879	114, 193, 359	164, 116, 767	278, 310, 126
Increase	89, 691, 860	336, 606, 183	426, 298, 043

The above total by the Commercial and Financial Chronicle, February 9, 1889, and substantially in agreement with the estimates of this Bureau, shows the stock of gold coin and gold bullion in the country on January 1, 1889, amounting to \$704,608,169, an increase of \$426,298,043 in ten years.

"In years past," says the Chronicle, "we have often insisted that there must be an error in the item, because the most industrious inquiry failed to bring to light a very considerable portion of it. At present there are at least \$275,000,000 of the total that can not be accounted for. Since the New York banks turned their gold into the Treasury and obtained gold certificates for it the Government's gross holdings of gold have become large. On January 1, 1888, it held *gross* \$324,773,667; it had outstanding of gold certificates issued against it \$120,888,448; hence its *net* holdings were \$203,885,219, as we give them in the above table. Even of these certificates afloat it is impossible to trace more than seventy-six and one-fourth millions in all, and of the gold not in the Treasury only about one hundred millions can be found. So whichever method the investigator adopts—whether by counting the gross gold in the Treasury, with an estimate for circulation, deducting certificates which are not in bank and in the Treasury, or by taking the course we have pursued—the result reached will be the same."

The figures cited by the Commercial and Financial Chronicle are drawn from Treasury statements and the older reports of this Bureau. To give a similar statement from the estimates of the Bureau as last revised, and for dates corresponding to the close of fiscal years, the increase in the stock of gold coin and bullion in the United States for the decennial period ending June 30, 1888, was not less than \$492,618,878, as shown in the following statement:

INCREASE IN STOCK OF GOLD IN THE UNITED STATES IN TEN YEARS ENDED
JUNE 30, 1888.

Gold coin and bullion.	In Treasury.	In circulation.	Total.
June 30, 1888.....	\$314, 106, 002	\$391, 712, 853	\$705, 818, 855
June 30, 1878.....	128, 460, 202	84, 739, 775	213, 199, 977
Total	185, 645, 800	306, 973, 078	492, 618, 878

"As to the gold in active circulation," continues the same article "whatever there is of it must be in the Pacific States, for in the Eastern, Western, and Southern States not one individual in every hundred

receives in ordinary business transactions a gold certificate or a gold coin once in twelve months. Contrast that fact with the other, that on the 1st of January, 1889, there were 60,779,321 silver dollars in circulation in the United States, the remainder of the 307 millions being in the form of silver certificates. Of that 60 $\frac{3}{4}$ million silver dollars we venture to say that every inhabitant who during the last year has tendered a \$5 bill in payment of some small purchase made has nine out of ten times had offered to him one or more in change. Such ubiquity in the case of 60 $\frac{3}{4}$ million of silver dollars proves clearly enough that if there was even a little gold coin passing from hand to hand it would be often met with. Still in the following statement, locating the gold in the United States, we have made a very liberal allowance for circulation, so that the reader may be satisfied that the amount hoarded is understated rather than overstated."

In Treasury, gold coin and bullion, less certificates outstanding *	\$203, 885, 219
In National banks:	
Gold †	\$70, 825, 187
Gold certificates	75, 334, 420
Gold clearing-house certificates	7, 399, 000
	<hr/> 153, 558, 607
In State banks, etc.:	
Gold ‡	27, 015, 951
Gold certificates	937, 710
	<hr/> 27, 953, 661
In actual circulation, gold and silver certificates	40, 000, 000
	<hr/>
Total in sight and estimated in circulation	425, 397, 487
Total in country §	704, 608, 169
	<hr/>
Total hoarded January 1, 1889	279, 210, 682

"In the above it will be seen that we allot \$40,000,000 to circulation, and yet even with that deducted there are still left \$279,210,682 unaccounted for."

"From these facts the conclusion is unavoidable that either there are to-day at least \$275,000,000 in gold hoarded by the people of the United States, or else that the Government Mint figures are extremely erroneous. As heretofore said, we formerly inclined to the latter supposition as the true explanation; but of late years, after following with great diligence the gold statistics of exports and imports through the invoices and through the corresponding figures of the countries receiving from or shipping to us, and noting the care with which the figures of production and manufacture are prepared, we see no reason for longer holding that opinion, having failed to discover how any considerable error could creep in. It has been suggested that gold left us through Canada by railroads, of which no record was obtained by the Government. That may be to some extent true, and no doubt it is also true that other amounts reach us unrecorded through the same channel. But as the recorded movement is in favor of the United States, there is no excuse for assuming that the unrecorded movement would, if known, tell a different story. Besides, Canada on the one hand affords no internal evidence of materially enlarging her stock of gold, and on the other does not export to Europe as much as she receives. Her exports to Great Britain are never but a trifle. There was not a dollar shipped from Canada to Great Britain (according to the statistical abstract of the United Kingdom)

* This item is taken from the monthly Treasury statement issued January 1, 1889.

† Comptroller of the Currency's call of December 12, 1888.

‡ Comptroller of the Currency's report, December, 1888, page 39.

§ Mint Director's figures, obtained from Treasury Department.

in 1887, and only £8,008 in 1886; in fact, for the last fifteen years the average shipment was but £5,104. There seems, therefore, no fact to corroborate the suggestion with regard to a Canadian outlet. Nor do we know any other plausible way or theory for impeaching the Mint figures, and we are consequently forced to assume that the gold out of sight is hoarded. That a disposition or inclination of that kind exists may be inferred from the marked preference which is so generally given to that metal, of which we need cite no other evidence than the quicker market bonds find which are payable principal and interest in gold. It is well understood that they can be negotiated at a higher price."

The large estimate by this Bureau of the stock of gold coin in circulation or "in the hands of the people" seeming to be opposed by the fact that one seldom sees gold pieces freely passing from hand to hand except in the States of the Pacific coast, led to the query on the part of the same authority in 1887 whether gold coin may not leave the country in unrecorded ways, notably through Canada. (Commercial and Financial Chronicle, July 26, 1887.)

This inquiry was soon afterwards followed out with the following results, now for the first time printed:

UNITED STATES ASSAY OFFICE, NEW YORK CITY,
Superintendent's Office, March 2, 1887.

SIR: Inclosed please find statements from the agents of the four Canadian banks mentioned in your letter of February 3.

I think all the transfers between Canada and New York were by express.

Mr. Townsend could give nothing in addition to that forwarded by him about two years ago.

Remarking that the bullion (gold coin, etc.) received from Canada largely exceeds that sent there through these agencies,

I am, very respectfully,

ANDREW MASON,
Superintendent.

Dr. JAMES P. KIMBALL,
Director of the Mint, Washington, D. C.

AGENCY OF THE MERCHANTS' BANK OF CANADA,
 61 Wall street, New York, March 1, 1887.

DEAR SIR: Our head office records show the following coin transactions between Canada branches and this office, viz:

	1883.	1884.	1885.	Total.
Coin received from Canada:				
United States gold.....	\$60,000	\$375,000	\$95,000	\$530,000
British gold.....	58,400	.....	146,000	204,400
Total.....				734,400
Coin shipped to our bank from this office:				
United States gold.....			100,000	100,000

Showing an excess of \$634,400 in amount of receipts over shipments for the time named. We regret the delay in acquainting you with the above. It was caused by time ex-

pended in searching for a missing book at our head office, from which place we have obtained the information.

Yours, respectfully,

ANDREW MASON, Esq.,
Assay Office.

J. B. HARRIS, Jr.,
Agent.

AGENCY BANK OF BRITISH NORTH AMERICA,
52 Wall street, New York, February 11, 1887.

DEAR SIR: As requested by you, we take great pleasure in annexing hereto a list of gold coin and bullion shipped to and from Canada since 1880, which, we trust, will meet your requirements.

We are, dear sir, yours faithfully,

ANDREW MASON, Esq.,
United States Assay Office, New York.

H. STIKEMAN,
Agent.

SENT TO CANADA BY AGENCY BANK OF BRITISH NORTH AMERICA.

Year.	U. S. gold coin.	British sovereigns.	Other foreign coin.
1881.....	\$30, 280	\$11, 300	.....
1882.....	835, 000	.....	.....
1883.....	250, 000	.....	.....
1884.....	500, 000	.....	.....
1885.....	1, 300, 000	.....	.....
1886.....	.....	.....	\$6, 100

RECEIVED FROM CANADA.

Year.	U. S. gold coin.	British sovereigns.	Gold dust.	Gold bars.	Foreign gold coin assayed.
1880.....	\$513, 000	.....	.....	.....	\$1, 752
1881.....	249, 500	\$4, 249	\$16, 211	.....	3, 600
1882.....	1, 225, 000	630, 300	18, 158	\$10, 000	.....
1883.....	799, 000	261, 600	5, 647	36, 783	.....
1884.....	863, 200	19, 000	896	.....	.....
1885.....	357, 000	367, 500	.....	.....	.....
1886.....	54, 500	808, 900	829	13, 303	.....

AGENCY BANK OF MONTREAL,
59 and 61 Wall street, New York, February 21, 1887.

DEAR SIR: As requested, we hand you herewith statement of the gold coin received and remitted by us from and to Canada during the years 1882-1886.

Yours, faithfully, for the Bank of Montreal,

A. LANG, *Agent.*

ANDREW MASON, Esq.,
Superintendent United States Assay Office, Wall street, New York.

GOLD COIN RECEIVED FROM AND REMITTED TO CANADA DURING THE YEARS
1882-1886 BY AGENCY BANK OF MONTREAL.

Year.	Received from Canada.	Remitted to Canada.
1882.....		
1883.....	\$5,000	
1884.....	1,291,750	\$100,000
1885.....	1,182,000	600,000
1886 (£33,000 sovereigns).....	340,000	1,020
Total	2,818,750	701,020

All bullion received has been deposited with the United States Assay Office, New York City.

UNITED STATES GOLD COIN AND SOVEREIGNS RECEIVED FROM CANADA BY THE
CANADIAN BANK OF COMMERCE, NEW YORK.

Year.	Received.		Gold coin remitted.
	United States coin.	Sovereigns.	
1882.....	\$200,225	£30,000	
1883.....	50,000	32,752	
1884.....	625,000	11,000	\$179,000
1885.....	50,000	5,000	100,000
1886.....	300,000		
Total	1,225,225	78,752	279,000

UNITED STATES ASSAY OFFICE, NEW YORK CITY,
Superintendent's Office, August 3, 1887.

SIR: Referring to the statements of the agents in New York of the four Canadian banks, forwarded March 2, I inclose herewith a summarized table embracing the movement of United States gold coin and British sovereigns for a number of years (1880-1886) between Canada and the United States, as shown by their transactions.

The amount of United States gold coin received from Canada in excess of that sent to Canada was \$4,639,875.

Very respectfully,

ANDREW MASON,
Superintendent.

Dr. JAMES P. KIMBALL,
Director of the Mint, Washington, D. C.

MOVEMENT OF UNITED STATES GOLD COIN AND BRITISH SOVEREIGNS BETWEEN
CANADA AND THE UNITED STATES, 1880-1886.

Date, etc.		Canadian banks.				Total.
		Bank of British North America.	Bank of Montreal.	Canadian Bank of Commerce.	Merchants' Bank of Canada.	
COINS RECEIVED FROM CANADA.						
1880.	{ United States gold coin..	\$513,000.00	-----	-----	-----	\$513,000.00
	{ British sovereigns, etc..	a1,752.00	-----	-----	-----	1,752.00
1881.	{ United States gold coin..	249,500.00	-----	-----	-----	249,500.00
	{ British sovereigns, etc..	b7,849.00	-----	-----	-----	7,849.00
1882.	{ United States gold coin..	1,225,000.00	-----	\$200,225.00	-----	1,425,225.00
	{ British sovereigns, etc..	630,300.00	-----	c145,995.00	-----	776,295.00
1883.	{ United States gold coin..	799,000.00	\$5,000.00	50,000.00	\$60,000.00	914,000.00
	{ British sovereigns, etc..	261,600.00	-----	d159,387.61	58,400.00	479,387.61
1884.	{ United States gold coin..	863,200.00	1,291,750.00	625,000.00	375,000.00	3,154,950.00
	{ British sovereigns, etc..	19,000.00	-----	e53,531.50	-----	72,531.50
1885.	{ United States gold coin..	357,000.00	1,182,000.00	50,000.00	95,000.00	1,684,000.00
	{ British sovereigns, etc..	367,500.00	-----	f24,332.50	146,000.00	537,832.50
1886.	{ United States gold coin..	54,500.00	340,000.00	300,000.00	-----	694,500.00
	{ British sovereigns, etc..	808,900.00	g160,594.50	-----	-----	969,494.50
Total	{ United States gold coin..	i,061,200.00	2,818,750.00	1,225,225.00	530,000.00	8,635,175.00
	{ British sovereigns, etc..	2,096,901.00	160,594.50	383,246.61	204,400.00	2,845,142.11
Total coin.....		6,158,101.00	2,979,344.50	1,608,471.61	734,400.00	11,480,317.11
COINS SENT TO CANADA.						
1880.	{ United States gold coin..	-----	-----	-----	-----	-----
	{ British sovereigns, etc..	-----	-----	-----	-----	-----
1881.	{ United States gold coin..	30,280.00	-----	-----	-----	30,280.00
	{ British sovereigns, etc..	11,300.00	-----	-----	-----	11,300.00
1882.	{ United States gold coin..	835,000.00	-----	-----	-----	835,000.00
	{ British sovereigns, etc..	-----	-----	-----	-----	-----
1883.	{ United States gold coin..	250,000.00	-----	-----	-----	250,000.00
	{ British sovereigns, etc..	-----	-----	-----	-----	-----
1884.	{ United States gold coin..	500,000.00	100,000.00	179,000.00	-----	779,000.00
	{ British sovereigns, etc..	-----	-----	-----	-----	-----
1885.	{ United States gold coin..	1,300,000.00	600,000.00	100,000.00	100,000.00	2,100,000.00
	{ British sovereigns, etc..	-----	-----	-----	-----	-----
1886.	{ United States gold coin..	-----	1,020.00	-----	-----	1,020.00
	{ British sovereigns, etc..	h6,100.00	-----	-----	-----	6,100.00
Total	{ United States gold coin..	2,915,280.00	701,020.00	279,000.00	100,000.00	3,995,300.00
	{ British sovereigns, etc..	17,400.00	-----	-----	-----	17,400.00
Total coin.....		2,932,680.00	701,020.00	279,000.00	100,000.00	4,012,700.00

a Other,

b Other, \$3,600.

e £30,000.

d £32,752.

e £11,000.

f £5,000.

g £33,000.

h Other foreign coin.

Excess of imports of coin from Canada over exports of coin to Canada..... \$7,467,617.11

Excess of imports of United States gold coin over exports of same (from and to
Canada) 4,639,875.00

The above data and correspondence serve to sustain the views of this Bureau as to the unimportance of any outflow of United States gold coin to Canada in excess of exchanges in favor of the United States.

The following table exhibits the amount of metallic and paper money in the United States, January 1, 1889, and location of the same:

FORM AND LOCATION OF THE MONEYS OF THE UNITED STATES AND THE BULLION AWAITING COINAGE IN THE MINTS, JANUARY 1, 1889.

[Exclusive of minor coin and minor coinage metal.]

Items.	In Treasury.	In national banks (December 12, 1888).	In other banks and general circulation.	Total.
METALLIC.				
Gold bullion	\$97,456,289	.....	.....	\$97,456,289
Silver bullion	11,355,334	.....	.....	11,355,334
Gold coin	227,854,212	*\$78,224,188	\$301,527,286	607,605,686
Silver dollars	254,406,809	7,086,626	53,792,695	315,286,190
Subsidiary silver coin	23,655,458	3,276,200	49,943,574	76,875,232
Total	614,728,162	88,587,014	405,263,555	1,108,578,731
REPRESENTATIVE.				
Legal-tender notes	†\$1,125,859	82,555,060	223,000,097	346,681,016
Old demand notes .....	.....	.....	56,807	56,807
Certificates of deposit	470,000	9,220,000	1,030,000	10,720,000
Gold certificates	36,127,702	75,334,420	45,554,028	157,016,150
Silver certificates	3,958,567	8,812,844	237,407,155	250,178,566
National bank notes	‡4,068,046	§24,212,370	205,379,611	233,660,027
Fractional paper currency	479	628,387	6,290,660	6,919,526
Total	85,750,653	200,763,081	718,718,352	1,005,232,092

* Includes \$7,399,000 clearing-house gold certificates.

† Includes \$10,250,000 held for redemption of certificates of deposit for legal-tender notes, act of June 8, 1872.

‡ Includes \$2,724,723 in process of redemption.

§ Includes \$2,484,132 of their own notes held by the different national banks.

The following table has been prepared for the purpose of indicating the changes in circulation in the United States from January 1, 1888, to January 1, 1889. Only such kinds of money are enumerated in this table as actually currently perform the function of a circulating medium. Old demand notes, certificates of deposit, and fractional paper currency, embraced in the preceding table, have been omitted, for the reason that while they are still outstanding liabilities on the part of the Government and technically a part of the potential circulation, they have ceased to perform, to any notable extent, functions of a circulating medium.

CHANGES IN CIRCULATION IN THE UNITED STATES FROM JANUARY 1, 1888,
TO JANUARY 1, 1889.

[Outside of the United States Treasury.]

Items.	January 1, 1888.	January 1, 1889.	Increase.	Decrease.
Gold coin.....	\$399,219,253	\$379,751,474	.....	\$19,467,779
Standard silver dollars	64,377,818	60,879,321	.....	3,498,497
Subsidiary silver coin.....	51,992,915	53,219,774	\$1,226,859	.....
Gold certificates.....	96,734,057	120,888,448	24,154,391	.....
Silver certificates.....	176,855,423	216,219,999	69,364,576	.....
Legal-tender notes.....	324,271,092	305,555,157	.....	18,715,935
National bank notes	263,479,445	229,591,981	.....	33,887,464
Total.....	1,376,930,003	1,396,106,154	94,745,826	75,569,675
Net increase				19,176,151

The total amount of metallic and paper money in circulation January 1, 1889, was \$1,396,106,154, against \$1,376,930,003 on January 1, 1888, a net increase in the amount of money in active circulation of \$19,176,151.

It will be noticed that the amount of gold coin was less on January 1, 1889, by \$19,467,779 than on January 1, 1888.

This decrease is accounted for principally by the fact that the United States Treasury held more gold at the beginning of the year 1889 than at a corresponding date of the preceding year, the amounts having been \$182,618,963 on January 1, 1888, against \$227,854,212 in the same class of coin on January 1, 1889, also in part by the excess of exports over imports of the same class of coin, amounting during the year to \$1,605,422.

The number of silver dollars in circulation was less by 3,498,497 than on January 1, 1888. This is likewise accounted for by the larger holding of silver dollars by the United States Treasury, being \$254,406,869, against \$218,917,539 on January 1, 1888. It may be stated, however, that the number of silver dollars actually owned by the Treasury was reduced during the year from 42,062,116 on January 1, 1888, to 8,186,870 on January 1, 1889.

The amount of subsidiary silver coin in active circulation increased \$1,226,859 during the calendar year, the amount of gold certificates \$24,154,391, and the amount of silver certificates \$69,364,576, while the amount of legal-tender notes in active circulation diminished \$18,715,935, and the amount of national-bank notes \$33,887,464.

The amount of legal-tender notes in the Treasury on January 1, 1889, was \$41,125,859, against \$22,409,924 on January 1, 1888, which accounts for the smaller number in circulation.

The amount of national-bank notes in the Treasury on January 1, 1889, was \$4,068,046 (of which \$3,724,723 was in process of redemption),

against \$4,919,433 on January 1, 1888. The falling off in the amount of national-bank notes in circulation was occasioned by the retirement of these notes by national banks, the total issue on January 1, 1888, having been \$268,398,878, against \$233,660,027 on January 1, 1889. Both these amounts include, of course, the gold notes of national banks outstanding at the above dates.

INDUSTRIAL EMPLOYMENT OF GOLD AND SILVER IN THE UNITED STATES.

As has been previously explained in the several reports of this series and the fiscal reports of this Bureau, four censuses have been taken by the Bureau of the Mint, covering the years 1880, 1881, 1883, and 1885, as to the quantities of gold and silver, and the several classes of material, used in manufactures and the arts. The results of these censuses have been presented in tabular form. In the last fiscal report of this Bureau, 1888, the result of the last census, covering the calendar year 1885, was presented with revisions, showing, so far as returns have been received from consumers or direct employers of the precious metals, the consumption in the United States for that year.

A summary of the table is here presented:

CHARACTER AND VALUE OF THE PRECIOUS METALS REPORTED AS USED BY MANUFACTURERS, JEWELERS, AND OTHERS DURING CALENDAR YEAR 1885.
REVISED TABLE.

Character.	Gold.	Silver.	Total.
United States coin	\$2, 827, 378	\$133, 644	\$2, 961, 022
Stamped United States or refined bars.....	6, 234, 034	4, 436, 603	10, 670, 637
Foreign coin	178, 913	62, 708	241, 621
Old jewelry, plate, and other old material.....	847, 715	245, 413	1, 093, 128
Native grains, nuggets, etc	502, 893	103, 272	606, 165
Wire or rolled plate.....	561, 187	216, 773	777, 960
Total	11, 152, 120	5, 198, 413	16, 350, 533

This table exhibits the last work of the Bureau in the way of direct inquiries of consumers.

The institutions comprising the mint service are required to ascertain the uses for which gold and silver bars paid out are intended, and accounts are so kept that not only the quantities, but the character of the material used, in the manufacture of such bars can be distinguished.

It is known, however, that bars of gold and silver are furnished by private refiners to jewelers and other manufacturers for industrial use.

For the purpose of ascertaining the values of such bars inquiries were addressed to fifty-two firms, believed to comprise all the private

refineries in the United States engaged in this business. Replies have been received from forty-nine of the firms addressed. Of these, thirty-four firms furnished the Bureau with statements showing the value and composition of bars manufactured during the calendar year, and the rest of the number reported none manufactured.

The work in this line, during the calendar year 1888, of the United States assay office at New York and the mint at Philadelphia, the only Government institutions which furnished bars for industrial use during the year, and of the thirty-four private refineries reporting to the Bureau, is exhibited in the following tables:

COMPOSITION OF BARS FOR INDUSTRIAL USE, ISSUED BY THE UNITED STATES ASSAY OFFICE AT NEW YORK DURING CALENDAR YEAR 1888.

Materials used.	Gold bars manufactured.		Silver bars manufactured.	
	Fine ounces.	Value.	Fine ounces.	Value.
United States coin			1,603.67	\$1,788.52
Foreign coin	5,214.085	\$107,784.71	15,692.55	17,436.17
Domestic bullion	81,583.488	1,686,480.36	3,097,126.75	3,441,251.94
Foreign bullion	10,699.268	221,175.57	658,042.61	731,158.46
Old plate, jewelry, etc.	70,828.837	1,464,162.01	267,772.82	297,525.35
Total	168,325.778	3,479,602.65	4,040,244.40	4,489,160.44
Large gold bars exchanged for gold coin and re-deposited for small bars, less charges and fractions paid in gold coin	152,143.785	3,145,091.17		
Large gold bars exchanged for gold coin, taken by manufacturers	139,360.577	2,880,838.79		
Total	459,830.140	9,505,532.61		

COMPOSITION OF BARS FOR INDUSTRIAL USE MANUFACTURED BY THE UNITED STATES MINT AT PHILADELPHIA DURING CALENDAR YEAR 1888.

Materials used.	Gold bars manufactured.		Silver bars manufactured.	
	Fine ounces.	Value.	Fine ounces.	Value.
United States coin	924.058	\$19,101.97	67.73	\$75.25
Old plate, jewelry, etc	2,490.138	51,475.72	9,921.91	11,024.34
Foreign bullion	4.955	102.42		
Foreign coin			105.98	117.76
Philadelphia Mint bars	10.339	214.77		
Exchange bars sold for coin	26,467.412	547,129.97		
Total	29,896.952	618,024.85	10,095.62	11,217.35

COMPOSITION OF BARS FOR INDUSTRIAL USE FURNISHED GOLDSMITHS AND OTHERS BY PRIVATE REFINERIES DURING CALENDAR YEAR 1888.

Material used.	Gold bars manufactured.		Silver bars manufactured.	
	Fine ounces.	Value.	Fine ounces.	Value.
United States coin	14, 034	\$290, 082	3, 400	\$1, 396
United States bars	86, 715	1, 792, 560	164, 964	213, 287
Domestic bullion, other than United States bars	79, 011	1, 633, 302	2, 348, 624	3, 036, 605
Foreign coin and bullion	18, 854	389, 746	18, 000	23, 273
Old plate, jewelry, and other old material	42, 925	887, 338	265, 674	343, 497
Total	241, 539	4, 993, 028	2, 800, 662	3, 621, 058
Number of firms addressed			52	
Number replying			49	
Number not manufacturing			15	
Number manufacturing			34	

The following table is a condensation of the preceding exhibits :

CLASSIFICATION OF GOLD AND SILVER BARS PREPARED BY THE UNITED STATES MINT AT PHILADELPHIA AND THE ASSAY OFFICE AT NEW YORK, AND BY PRIVATE REFINERIES, DURING CALENDAR YEAR 1888, FOR USE IN THE ARTS.

Classification of material used.	Assay Office, New York.	Mint, Philadelphia.	Private refineries.	Total.
COIN:				
Domestic		\$19, 101. 97	\$290, 082	\$309, 183. 97
Foreign	\$107, 784. 71		389, 746	497, 530. 71
BULLION:				
Domestic	1, 686, 480. 36		1, 633, 302	3, 319, 782. 36
Foreign	221, 175. 57	102. 42		221, 277. 99
Old plate, jewelry, etc	1, 464, 162. 01	51, 475. 72	887, 338	2, 402, 975. 73
Deposits for large bars not for use of manufacturers, re-deposited for small bars for use by manufacturers	3, 145, 091. 17			3, 145, 091. 17
United States Mint and Assay Office bars		214. 77	1, 792, 560	1, 792, 774. 77
Exchange bars sold for coin	2, 880, 838. 79	547, 129. 97		3, 427, 968. 76
Total	9, 505, 532. 61	618, 024. 85	4, 993, 028	15, 116, 585. 46
Deduct United States bars reported by private refineries, the amount being included in bars furnished them by the New York Assay Office				1, 792, 560. 00
Total				13, 324, 025. 46

CLASSIFICATION OF GOLD AND SILVER BARS, ETC.—Continued.

Classification of material used.	Assay Office, New York.	Mint, Phila- delphia.	Private refin- eries.	Total.
Coin: SILVER.				
Domestic	\$1,788.52	\$75.25	\$4,396	\$6,259.77
Foreign	17,436.17	117.76	23,273	40,826.93
Bullion:				
Domestic	3,441,251.94		3,036,605	6,477,856.94
Foreign	731,158.46			731,158.46
Old plate, jewelry, etc	297,525.35	11,024.34	343,497	652,046.69
United States Mint and Assay Office bars			213,287	213,287.00
Total	4,489,160.44	11,217.35	3,621,038	8,121,435.79
Deduct United States bars reported by private refineries, the amount being included in bars furnished them by the New York Assay Office				213,287.00
Total				7,908,148.79

For the purpose of comparison, the following tables, recapitulating the value of bars for industrial use manufactured during the calendar years 1886, 1887, and 1888, are presented:

RECAPITULATION OF GOLD AND SILVER BARS FURNISHED FOR USE IN MANUFACTURES AND THE ARTS DURING CALENDAR YEAR 1886, AND CLASSIFICATION OF THE MATERIAL USED.

Material.	Gold.	Silver.	Total.
United States coin	\$365,261.94	\$2,358.97	\$367,620.91
Domestic bullion	7,003,480.22	3,626,194.86	10,629,675.08
Foreign coin and bullion	638,002.55	825,614.75	1,463,617.30
Old material	1,928,046.39	404,155.00	2,332,201.39
Total	9,934,791.10	4,858,323.58	14,793,114.68

RECAPITULATION OF GOLD AND SILVER BARS FURNISHED FOR USE IN MANUFACTURES AND THE ARTS DURING CALENDAR YEAR 1887, AND CLASSIFICATION OF THE MATERIAL USED.

Material.	Gold.	Silver.	Total.
United States coin	\$362,261.15	\$3,667.30	\$365,928.45
Domestic bullion	9,090,341.55	4,102,733.94	13,193,075.49
Foreign coin and bullion	384,121.93	654,991.21	1,039,113.14
Old material	1,835,881.77	480,605.74	2,316,487.51
Total	11,672,606.40	5,241,993.19	16,914,604.59

RECAPITULATION OF GOLD AND SILVER BARS FURNISHED FOR USE IN MANUFACTURES AND THE ARTS DURING CALENDAR YEAR 1888, AND CLASSIFICATION OF THE MATERIAL USED.

Material.	Gold.	Silver.	Total.
United States coin.....	\$309, 183. 97	\$6, 259. 77	\$315, 443. 74
Domestic bullion	9, 893, 057. 06	6, 477, 856. 94	16, 370, 914. 00
Foreign coin and bullion	718, 808. 70	771, 985. 29	1, 490, 794. 09
Old material.....	2, 402, 975. 73	652, 046. 69	3, 055, 022. 42
Total	13, 324, 025. 46	7, 908, 148. 79	21, 232, 174. 25

In these tables the value of refined bars bearing the stamp of a United States mint or assay office, reported by private refineries as having been sold to manufacturers and dealers during the year, has been deducted from the totals to avoid duplication.

The total consumption of the precious metals in the industrial arts, according to the statements furnished the Bureau, has been very much larger during the past year than in preceding years, both in gold and in silver. The increase has been large both in bars furnished by the Government institutions and in bars furnished by private refineries, but especially large in the value of silver bars for industrial use furnished by private refineries in the United States.

According to the figures presented in these tables the value of gold bars for industrial use furnished during the calendar year 1888 was \$13,324,025.46, against \$11,672,606.40 in 1887, and \$9,934,791.10 in 1886, showing a steady increase each year in the consumption of gold in the industries in the United States.

The value (coining value) of the silver bars furnished for industrial uses during the calendar year 1888 was \$7,908,148.79, against \$5,241,998.19 in the calendar year 1887, and \$4,858,323.58 in the calendar year 1886, showing a steady increase also in the value of silver used in the United States in the industries, but a very large increase during the last year.

It will be noticed that the amount of United States gold coin reported as having been used in the composition of bars furnished for industrial use was only \$309,183.97 during the calendar year 1888, against the melting down for industrial purposes of United States gold coin estimated to amount to \$3,500,000 annually, being approximately the amount reported by consumers in the census covering the calendar year 1885.

The melting of coin, however, for industrial use is believed to be principally on the part of jewelers, and a statement of the material used in the composition of bars furnished for industrial uses would not show the approximate consumption of coin for industrial purposes, while it would show approximately the consumption of the precious metals in the shape of bars. At the same time it is believed that there

is a tendency, steadily increasing, to use bars for industrial purposes rather than melt coin.

If, therefore, there has been no considerable diminution in the amount of coin melted for industrial purposes, the employment of gold in the United States for industrial purposes during the calendar year 1888 was greater by about \$3,200,000 than the total shown in the tables herewith presented, and the consumption of silver some \$200,000 greater in value. The aggregate employment of the precious metals in the arts during the calendar year 1888 may be placed at \$16,500,000 gold and \$8,100,000 silver (coining value), against an estimated employment for the calendar year 1887 of \$14,600,000 gold and \$5,280,000 silver.

WORLD'S COINAGE.

In the Appendix will be found a table showing, so far as returns have been received by this Bureau, the coinage of gold and silver executed throughout the world during the years 1884, 1885, 1886, and 1887. The coinages reported are for calendar years, except in the cases of Mexico and Brazil.

This table, for the years named first printed in the report of this series for 1887, and republished with revisions in the fiscal report of this Bureau for 1888, has been further corrected by information since received. It is now believed to include substantially all coinages executed during the years mentioned.

The following summary is presented:

WORLD'S COINAGE.		
Calendar years.	Gold.	Silver.
1884.....	\$99,432,795	\$95,832,084
1885.....	95,757,582	126,764,574
1886.....	94,642,070	124,854,101
1887.....	124,992,465	163,411,397

While a fair measure of success has, with the aid of diplomatic representatives of the United States, attended the efforts of this Bureau to be able to present annually a statement of the coinages of leading nations, inquiries into the proportion of coinages representing recoinages are far from being equally fruitful of detailed information. Yet, without specific statements of recoinage in relation to coinage, it is quite impracticable to determine the important question what the ratio is between the immediate produce of the precious metals during a given period and their immediate employment for coinage. How much of the world's production of gold or silver passes directly into coinage? Whether annual coinages of gold and silver are maintained by fresh

produce, or to what degree maintained by drawing on old material in the form of disused manufactured articles or of old coin withdrawn from circulation? These are questions antecedent and essential to an understanding of even the conditions of several economic and financial problems freely discussed by writers at the present day, yet in ignorance of such conditions and in unmindfulness of vital questions of this sort.

After all the plenitude of discussion of relations of supply and demand of silver, the ratios of its production to its employment in coinage and in the arts can not yet be statistically demonstrated, or whether any surplus of silver is left from time to time not immediately represented by coinage or manufactured articles. Equally uncertain is it in what proportion the aggregate coinage of a given period is represented by new material and in what proportion by old.

The missing link to an otherwise practically perfect chain of mint and production statistics of the world is the single item of recoinage from year to year, stated separately as *recoinage of domestic coins* on the one hand and of *foreign coins* on the other, and also separately as between the two precious metals.

These items, though systematically reported by this Bureau in statements of the annual coinage of the United States and by several administrations of foreign mints, are not at all reported by the more autocratic countries of Europe, the details of whose coinage operations are seldom indeed (for business reasons, perhaps) imparted to the public.

Interrogations by this Bureau through the Department of State often fail to elicit particulars of recoinage, for want of which some of the more important objects of the Bureau's investigations are defeated and some of its results rendered inconclusive.

If the coinages of nations were uniformly reported as *net* coinages particulars of recoinage would have no general importance.

Observation, rather than mint statistics, tends to show that there is at any given time no large surplus, and for any considerable period no accumulation, of silver bars in the markets of the world, representing at least new or freshly-produced silver. Anything like a stock of bars, not freely exchanged, is to be only found in the coffers of foreign governments and recognized as old coin melted down.

The above remarks are offered in the hope that they may tend to draw attention to the importance of published statistics of recoinage as an essential factor in all problems turning on the relative supply and employment of the precious metals. The lack of public statistics of this kind is not only for fiscal periods, but for the same series of years for which coinages are published.

Referring to the exhibit of the coinages of nations, it will be noticed that the coinage of both gold and silver has increased very largely, but the coinage of silver in 1887, which approximated the large sum of \$163,411,397, is very remarkable in view of the discontinuance of the

use of silver as full legal-tender money by a large portion of the commercial world.

A statement like the present, as pointed out in a previous report, is wanting in absolute significance only to the degree of uncertainty as to the relative proportions of old material employed in coinage and also in the arts.

The last inquiry upon the part of this Bureau, through the Department of State, covered the subjects of both coinage and recoinage. Many of the replies upon the part of foreign governments, while furnishing complete statements as to coinage, failed to furnish data as to recoinage. The table of coinage, the résumé of which is given above, is substantially complete. But some of the items, in the absence of official statements, have been taken from foreign reports and publications on monetary subjects, few of which, however, afford information on the subject of recoinage.

The following incomplete statement of recoinages of nations during the year 1887, though principally from direct official sources, is in part from data found in the report of the deputy master of the Royal Mint at London, and in certain particulars disposed according to presumptive knowledge upon the part of this Bureau. Incomplete as the statement is, it is presented for the purpose of exhibiting provisionally what portion of the world's coinage of 1887 is either publicly known or reasonably inferred to have been derived from recoinages of domestic and foreign coins.

RECOINAGES REPORTED BY CERTAIN NATIONS, 1887.

GOLD.

Countries.	Recoinage of domestic coins.	Value in United States money.	Recoinage of foreign coins.	Value in United States money.	Total recoinage value.
Great Britain..	2,301,206 pounds sterling.	\$11, 198, 819	.....	.....	\$11, 198, 819
India	8,970 rupees.....	4, 250	.....	.....	4, 250
Austria-Hungary.	998,430 florins.....	481, 243	990,950 florins ..	\$477, 637	958, 880
Germany .....	.....	.....	63,433 pounds ..	1, 509, 705	1, 509, 705
Japan.....	110 yen	110	.....	.....	110
Australia	524 pounds sterling...	2, 550	.....	.....	2, 550
United States..	536,511 dollars	536, 511	15,575,958dollars	15, 575, 958	16, 112, 469
Total .....	.....	12, 223, 483	.....	17, 563, 300	29, 786, 783

RECOINAGES REPORTED BY CERTAIN NATIONS, 1887—Continued.

SILVER.

Countries.	Recoinage of domestic coins.	Value in United States money.	Recoinage of foreign coins.	Value in United States money.	Total recoinage value.
Great Britain..	353,831 pounds sterling	\$1,721,918	.....	.....	\$1,721,918
India	5,138,874 rupees.....	2,434,284	1,923,888 rupees	\$911,345	3,345,629
France	8,910,583 francs*	1,719,742	.....	.....	1,719,742
Belgium	7,800,000 florins	1,515,400	.....	.....	1,515,400
Netherlands...	190,000 gulden	76,380	.....	.....	76,380
Egypt	373,602 Egyptian pounds.	1,846,714	.....	.....	1,846,714
Japan	109 yen	109	.....	.....	109
Spain	59,012,510 pesetas	11,389,414	.....	.....	11,389,414
United States..	8,309,068 dollars.....	†8,309,068	250,606 dollars..	250,606	8,559,674
Austria-Hungary.	402,569 florins.....	185,987	.....	.....	185,987
Sweden	72,000 crowns	19,296	.....	.....	19,296
Switzerland...	.....	.....	1,400,000 francs†	270,200	270,200
Colombia .....	.....	663,069	.....	.....	663,069
Total .....	.....	29,881,381	.....	1,432,151	31,313,532

* Consisted of old national and papal coins.

† Includes \$7,789,374.57 (coining value) trade-dollars.

‡ Consisted of fillets from the mints at Frankfort and Brussels and in part of domestic coins.

How far should exported Mexican silver dollars be considered as representing permanent coinage or recoinage? It would seem that all Mexican dollars not exported to Oriental countries, where their form is preserved, should be considered as new material, and within the purpose here indicated, not as foreign coin. As these dollars enter at once into the composition of coins of other nations they should not be treated otherwise than as new bullion, shipped in the form of dollars for convenience of sale.

Against the Mexican coinage of the silver dollar, long maintained both as a trade coin and as a stamped ingot, should therefore, in order to obviate duplication, be finally deducted in any general statement of the coinages of nations at least the sum of all dollars coined over at other mints. A considerable part of the rest of this coinage is treated in Europe, the United States, India, and Japan as more or less doré bullion, and likewise remelted and refined. Hence the registration of silver coinage in Mexico is significant of stability only in small ratio to the whole coinage for any given period. For economic rather than statistical purposes it would probably lead to the lesser error to account for one-third of the coinage of Mexico as directly going back into bars

for refining and eventually for industrial employment, and another third as speedily going into coinages of other nations.

The following table exhibits the movement of Mexican silver dollars to London, the United States, and India, and the exports to China and the Straits:

MOVEMENT OF MEXICAN SILVER DOLLARS, 1887.

Received at London	\$9,000,000	
Shipped to China and Straits	4,500,000	
<hr/>		
Remaining in Europe (probably melted)		\$4,500,000
Imported from Mexico into the United States	8,822,861	
Exported to China from San Francisco	6,075,409	
<hr/>		
Remaining in United States (probably melted)		2,747,452
Deposited at Indian mints		810,000
<hr/>		
Total remelted for coinage (approximate)		8,057,452

According to the annual statement of Mocotta & Goldsmid, of London, the imports of Mexican silver dollars into Great Britain during the year 1887 were in round numbers \$9,000,000, and the exports to China and the Straits \$4,500,000, leaving about \$4,500,000 for refining and European coinages.

The value of Mexican silver dollars imported into the United States from Mexico during the same period was \$8,822,861, of which there was re-exported from San Francisco to China \$6,075,409, leaving in the United States, probably melted at the mints, \$2,747,452.

According to the official statement of the Indian mints there were deposited and melted for Indian silver coinage during the year 1887 Mexican dollars of the value of 1,923,888 rupees, equivalent to \$810,000. At least 8,000,000 Mexican silver dollars are therefore known to have been melted for coinage purposes during the year 1887.

While the official dispatch from Vienna fails to report the amount of silver coins redeemed and recoinage, as in the case of gold, the statement is contained in the eighteenth Annual Report of the Deputy Master of the Royal Mint, London, that the 10-kreutzer pieces coined during the year 1887, amounting to 402,569 florins, were struck from 20 and 10 kreutzer pieces withdrawn from circulation. That amount has accordingly been entered in the table as recoinage. From what sources of silver the full legal-tender coins, turned out in such large quantities by Austria-Hungary during the year 1887, were made, can not here be stated.

The stock of silver bars belonging to the Treasury of the German Empire amounted at the end of 1884 to 94,468 kilograms, according to a report published in 1885 by the administration of the German mints.

Of this amount the Empire employed 51,385 kilograms in the manufacture of 1-mark pieces. There remained, therefore, 43,083 kilograms to be disposed of.

From the 16th of December, 1885, to March 9, 1886, 30,000 kilograms had been sold to Egypt which, about the middle of May, 1886, acquired the remaining 13,000 also, together with 1,250,000 marks in Thalers.

It therefore appears that the subsidiary coinage of Germany executed in 1887 was from new silver, and that the stock of bars from the melting of old Thaler-pieces has been exhausted, having been sold to Egypt and used at the mint at Berlin for the manufacture of coins for the Egyptian Government.* This transaction was effected without publicity, and therefore with no depressing effect on the price of silver.

While the official dispatch from Switzerland in reply to the interrogatories of the Bureau, covering the year 1887, does not answer the question as to recoinage, silver for the franc and 2-franc pieces coined in 1887 is stated to have been obtained mainly from the mints at Frankfort and Brussels, and a small amount by melting of silver coins of the Latin Union withdrawn from circulation. As it is inferred that the silver fillets supplied to Switzerland by the mints of Frankfort and Brussels were made from melted coins, the entire coinage of franc and 2-franc pieces executed at the mint at Berne during the year 1887, amounting to 1,400,000 francs, has been entered in the table as a recoinage of foreign silver coins.

In regard to the silver coinage of Colombia, in reply to the interrogatories covering the year 1887, after giving the coinage of the mints at Bogota and Medellin, our minister states that "part of all this amount was recoined from silver coins .666 and .835 fine; part was coined from old silver plate and a small proportion from silver bars." As it is not possible from data at hand to report the respective portions made from old coins and from plate and bars, the whole amount, \$663,069, has been taken as recoinage.

Using these partial amounts, the result of the world's production and coinage for 1887 may be stated as follows:

Gold:

Value of the produce of the mines	\$100,826,800
Coinage executed	\$124,992,465
Recoinage	29,786,783
Net coinage.....	95,205,682
Leaving new gold for industrial employment	5,621,118

Silver:

Value of the produce of the mines	125,346,310
Coinage executed	163,411,397
Recoinage	31,313,532
Net coinage.....	132,097,865
Apparent excess of net coinage over production	6,751,555

The above statement is provisionally introduced subject to revision in order to illustrate the necessity of statements of recoinage or at least of net coinage, before arithmetical differences can be admitted to indicate actual ratios of production to employment of the precious metals for coinage and manufactures. For it will be seen that according to

* See Bulletin de Statistique, XX, 1886, p. 650.

data now within reach the value of new gold left available for industrial employment, after a net coinage of \$95,000,000, was only about 11 per cent. of the total value of gold—old and new together—estimated collectively to be applied to industrial use each year the world over; while the net coinage of silver exceeded by over 5 per cent. the produce of the mines for the same year.

A statement like the above points to a much larger recoinage for the year 1887 than has yet been ascertained, or else to a proportionally larger employment annually of old material, including coin melted for industrial use, than has ever been statistically demonstrated. Observation tends to the latter inference.*

WORLD'S ANNUAL PRODUCTION OF GOLD AND SILVER.

In the Appendix will be found a table, compiled in part from state papers from foreign sources and communicated through the Department of State, showing the product of gold and silver in notably producing countries for the calendar years 1884, 1885, 1886, and 1887. The table covering the production of these years was published in the fiscal report of the Bureau, 1888, and has been revised and corrected from information since received.

The product is expressed in kilograms of fine gold and of fine silver, and also in terms of value, the value of silver, wherever the calculation has been made by this Bureau, being at coining rate in United States silver dollars, equivalent to \$41.56 per fine kilogram.

The table is believed to approximately present the gold and silver product of the mines of the world, except such desultory quantities as escape record.

A résumé of the total product each year is here presented:

WORLD'S PRODUCTION OF GOLD AND SILVER FOR 1887, WITH REVISED ESTIMATE FOR THREE PRECEDING YEARS.				
Year.	Gold.		Silver.	
	Kilograms.	Value.	Kilograms.	Value.
1884	153,070	\$101,729,600	2,537,564	\$105,461,350
1885	156,156	103,779,600	2,841,573	118,095,150
1886	149,338	99,250,877	3,896,882	120,324,400
1887	151,712	100,826,800	3,016,044	125,346,310

GERMANY.

Incidentally to annual estimates of the world's production of the precious metals, it has been undertaken in the reports of this Bureau to exhibit the natural resources of geographical divisions of the world. As in the United States, for instance, the production of the Republic is exhibited free of the yield of foreign ores smelted, and foreign bullion refined, and as in the individual States the distribution is made free of

*See Report for 1887 (this series), p. 103.

the yield of bullion and ores from other parts of the United States, so in the case of Germany the production of gold and silver is given as the net produce of the mines of the Empire, according to German official statistics.

The proportion of the output of the precious metals corresponding to the yield of foreign ores imported into Germany for reduction, and of foreign metals for refining, is credited to the exporting country, so far as information is supplied in commercial statistics of the several countries concerned. In the commerce growing out of the traffic in miscellaneous ores these are valued by the tenor at least of silver, though rarely of gold. While it is practicable to pursue the method here indicated in estimates of the production of silver, gold, on the other hand, rarely enters into the commercial valuation of the same class of ores from which it is likewise extracted, and hence, so far as the output of that country is concerned, is credited to Germany upon the ground that otherwise it would escape record.

It is a well-known fact that the maritime commerce between Germany and numerous countries producing the precious metals in notable quantities includes extensive transactions of the kind referred to, and that the output of German smelting works is mainly from the reduction of foreign ores.

Dr. Adolf Soetbeer, of Göttingen, pursues the opposite plan of crediting to Germany its gross production of precious metals, corresponding to the output of its numerous and extensive smelting works. This eminent authority, whose statistics of production are universally recognized as among the most important contributions to the subject, takes, as stated in previous reports of this series, ground against the course of this Bureau in the matter referred to as tending to diminish the importance of at least the silver product of Germany. Reasons equally potential, it is considered, have on the other hand been urged on my part for the course adopted. It is a cause of no little regret that any discrepancy of statement should occur, to the confusion of the details of the subject, for lack of uniformity in method rather than in material employed.

The employment of the two different methods above referred to, while leading to no essential difference in totals of the two estimates of the world's production, unfortunately is fruitful of misapprehension on the part of writers, who, naturally enough, infer that between two statements of the production of the precious metals in Germany, a German authority like Dr. Soetbeer must be the safer to follow, whereupon an important item like \$8,000,000 may for their own purposes be directly added to the Bureau's estimate for Germany by way of making up for what it may cursorily appear to be short in the sum total of the world's production of silver. This is instanced as an illustration of a tendency to inaccuracy in the world's statistics of the precious metals, writers feeling at liberty to select from separate tabulations by

different methods, returns for certain countries from one authority and for other countries from another. Hence the great variety of estimates of the world's production of the precious metals to be found in publications of the day, notwithstanding the substantial agreement of the sum total of production as given by original authorities like Dr. Soetbeer on the one hand and this Bureau on the other. Any tendency to an increasing difference of the final statement of the world's production between Dr. Soetbeer and this Bureau will probably be found on his part a greater quantity of silver and a less value of gold.

The last edition of the *Materialien* of Dr. Soetbeer, published in 1886, contains an estimate of the world's production of the precious metals for the calendar year 1884, and a provisional estimate for 1885. The estimate for 1884, and the Bureau's estimate for the same period, are as follows:

WORLD'S PRODUCTION, 1884.		
Metals.	Soetbeer.	Bureau of the Mint, United States.
	<i>Kilograms.</i>	<i>Kilograms.</i>
Gold	146, 151	153, 070
Silver	2, 957, 322	2, 537, 564

Since the above no estimate for subsequent years has, so far as I am aware, been published by Dr. Soetbeer.

In the tables of the world's production of gold and silver, published in the reports of this Bureau, it has recently been the practice to credit Germany with the silver product officially reported each year, less a deduction of 88,000 kilograms, as approximately representing the amount obtained from foreign ores smelted in Germany, so given by Dr. Soetbeer for the year 1884, in the first and second editions of his *Materialien*.*

From the following table it will appear that the official statistics of Germany are not wanting in data for discrimination between the product of the precious metals in Germany as between foreign and domestic sources, notwithstanding Dr. Soetbeer's use of estimates of his own rather than citations from detailed statistics. These statistics not only include the detailed returns of smelting works and refineries for Germany but also detailed commercial statistics confirmatory of the indus-

* "Of the silver produced in German smelting works a considerable quantity is obtained from imported foreign ores. There is no exact information as to the extent to which this has taken place since 1876. For that year the official statistics gave the German production of silver from foreign ores at 16,633 kilograms. According to expert testimony it rose in 1878 to about 43,500 kilograms. For 1884 the production of silver in Germany is estimated at about 160,000 kilograms from domestic and about 88,000 from foreign ores. Hence the increase of our production of silver has its source chiefly in the increased production of the metal from raw material obtained from foreign countries." (Translated from Soetbeer, *Materialien*, 1886, p. 15.)

trial returns, for which the official reports of Germany have always been justly celebrated.

The following table exhibits the total production of gold and silver ores in the German empire each year from 1878 to 1887:

SUMMARY OF THE TOTAL PRODUCTION OF GOLD AND SILVER ORES IN THE GERMAN EMPIRE.			
[Monatshefte zur Statistik des Deutschen Reichs, 1888, X, 18.]			
Years.	Quantity (tons of 1,000 kilograms).	Value in marks.	Value in United States money.
1878.....	15,446.20	3,389,560	\$806,715
1879.....	22,313.82	3,908,352	920,188
1880.....	20,578.081	3,811,663	907,176
1881.....	26,787.275	4,275,437	1,017,554
1882.....	22,977.198	4,331,241	1,000,836
1883.....	25,392.289	4,400,463	1,047,311
1884.....	25,186.141	4,818,960	1,146,912
1885.....	24,560.722	4,289,875	1,020,000
1886.....	21,230.453	4,478,421	1,065,864
1887.....	25,725.580	4,177,720	994,297

The following table exhibits the produce of the important gold and silver mines in Germany during the years 1886 and 1887. Being from an earlier number of the Monatshefte than the preceding table the figures for 1887 are incomplete.

PROVISIONAL COMPARATIVE STATEMENT OF THE PRODUCE OF IMPORTANT GOLD AND SILVER MINES OF THE GERMAN EMPIRE, SHOWING THE QUANTITY AND VALUE OF THE MINED PRODUCT IN 1887 AND 1886.				
[Monatshefte zur Statistik des Deutschen Reichs, 1888, 11, 1.]				
Ores.	Quantity (tons of 1,000 kilograms).		Value (1,000 marks).	
	1887.	1886.	1887.	1886.
Gold and silver	17,590	21,231	3,778	4,478

The following table exhibits the gold and silver products from domestic ores and the metalliferous product of smelting works, the two being separated, and the figures for the domestic product agreeing exactly with those in the table first cited :

GOLD AND SILVER PRODUCTS IN THE GERMAN EMPIRE AND LUXEMBURG DURING THE YEARS 1887 AND 1886.

[Monatshefte zur Statistik des Deutschen Reichs, 1888, X, 2.]

Mining products.	Quantity (tons of 1,000 kilograms).		Value (1,000 marks).	
	1887.	1886.	1887.	1886.
Domestic silver and gold ores.....	25, 726	21, 230	4, 178	4, 478
Metalliferous product of smelting works.	Quantity (kilograms).		Value (1,000 marks).	
	1887.	1886.	1887.	1886.
Silver.....	367, 633	319, 598	48, 158	42, 708
Gold.....	2, 251	1, 065	6, 281	2, 974

The following table exhibits the produce of important smelting works for 1886 and 1887:

PROVISIONAL COMPARATIVE STATEMENT OF THE PRODUCTS OF IMPORTANT SMELTING WORKS FOR 1887 AND 1886.

[Monatshefte zur Statistik des Deutschen Reichs, 1888, II, 2.]

Metals.	Quantity (kilograms).		Value (1,000 marks).	
	1887.	1886.	1887.	1886.
Silver.....	367, 633. 534	319, 597. 580	48, 157	42, 708
Gold	2, 250. 738	1, 064. 920	6, 281	2, 974

The following table exhibits the product of a number of important mines and smelting works in Germany for the years 1886 and 1887, the product of the mines separately from the product of the smelting works. In this table the figures for 1886 agree with those in the table first cited; but being from an earlier number of the Monatshefte, the figures for 1887 are not complete.

PROVISIONAL TABLE OF THE PRODUCTION OF A NUMBER OF IMPORTANT MINES AND SMELTING WORKS IN THE GERMAN EMPIRE AND LUXEMBURG DURING THE YEARS 1887 AND 1886.

PRODUCT OF MINES.

[Monatshefte zur Statistik des Deutschen Reichs, 1888, II, 4.]

Silver and gold ores.	1887.		1886.	
	Quantity (tons of 1,000 kilograms).	Value, marks.	Quantity (tons of 1,000 kilograms).	Value, marks.
I. Saxony	17, 516	3, 722, 420	21, 154	4, 436, 860
II. Other German states.....	74	55, 898	77	41, 561
Total for German Empire.....	17, 590	3, 778, 318	21, 231	4, 478, 421

PRODUCT OF SMELTING WORKS.

District.	1887.		1886.	
	Quantity.	Value.	Quantity.	Value.
FINE SILVER.				
I. In Prussia—	<i>Kilograms.</i>	<i>Marks.</i>	<i>Kilograms.</i>	<i>Marks.</i>
Breslau mining district.....	12, 370. 000	1, 627, 271	12, 228. 060	1, 640, 327
Halle mining district	75, 270. 280	9, 876, 836	75, 362. 460	10, 078, 996
Clausthal mining district	54, 146. 780	7, 166, 634	58, 934. 430	7, 899, 799
Bonn mining district	88, 343. 570	11, 575, 338	65, 749. 390	8, 819, 420
Total Prussia.....	230, 130. 630	30, 246, 079	212, 274. 340	28, 438, 542
II. Saxony.....	89, 265. 090	11, 717, 269	79, 782. 970	10, 625, 228
III. Other German states	48, 237. 814	6, 194, 132	27, 540. 270	3, 643, 779
Total German Empire	367, 633. 534	48, 157, 480	319, 597. 580	42, 707, 549
FINE GOLD.				
German Empire	2, 250. 738	6, 218, 480	1, 064. 920	2, 974, 338

The following tables exhibit the production of gold and silver by smelting works in Germany since 1876:

PRODUCTION OF GOLD BY SMELTING WORKS IN GERMANY.

[Monatshefte zur Statistik des Deutschen Reichs.]

Year.	Gold production.
	<i>Kgs. fine.</i>
1876.....	281.3
1877.....	307.9
1878.....	378.5
1879.....	466.7
1880.....	463.0
1881.....	380.6
1882.....	376.1
1883.....	457.3
1884.....	555.0
1885.....	1,378.5
1886.....	1,064.9
1887.....	2,250.7

PRODUCTION OF SILVER BY SMELTING WORKS IN GERMANY.

[Monatshefte zur Statistik des Deutschen Reichs.]

Year.	Fine silver.	Value.
	<i>Kilograms.</i>	<i>Marks.</i>
1876.....	139,779	21,969,415
1877.....	147,612	23,812,056
1878.....	167,660	25,390,532
1879.....	177,507	26,518,123
1880.....	186,011	28,607,561
1881.....	186,990	28,514,081
1882.....	214,982	32,763,057
1883.....	235,063	35,087,897
1884.....	248,116	37,055,861
1885.....	309,418	44,137,793
1886.....	319,598	42,707,549
1887.....	367,634	48,157,480

The two following tables exhibit the importation into Germany of gold and silver ores, and of argentiferous lead and copper ores:

IMPORTATION INTO GERMANY OF GOLD AND SILVER (AND PLATINUM) ORES.

Countries whence derived.	1885.	1886.	1887.
	<i>Double centner.</i>	<i>Double centner.</i>	<i>Double centner.</i>
Hamburg-Altona.....	1,864	1,560	5,821
Norway.....	3,057	2,658	1,982
Mexico and Central America.....	31,741	34,059	28,978
Peru.....	28,880	44,928	45,974
Rest of South America.....	3,626	18,506	67,333
Australia.....	15,590	8,622	} 8,506
Other countries.....	2,267	2,030	
Total.....	87,035	112,363	158,594
Estimated value (in marks).....	15,666,000	20,225,000	Not known.

IMPORTATION INTO GERMANY OF ARGENTIFEROUS LEAD AND COPPER ORES.

Countries whence derived.	1885.	1886.	1887.
	<i>Double centner.</i>	<i>Double centner.</i>	<i>Double centner.</i>
Hamburg-Altona	17,345	25,362	17,400
Belgium	158,723	116,730	103,862
France.....	32,562	18,406	19,739
Great Britain	5,439	10,079	13,019
Netherlands	51,246	23,291	26,111
Austria-Hungary	23,368	37,524	60,856
Spain	17,962	20,926	111,909
United States.....	4,164	4,624	1,628
Australia	4,254	8,368	} 31,588
Other countries	7,005	12,126	
Total	322,068	277,436	386,112
Estimated value (in marks).....	19,324,000	16,646,000	Not known.

From an examination of these tables it is apparent that the bulk of the silver obtained in Germany is from foreign ores and furnace products, and that the product of gold and silver ores given in the table first cited is approximately represented by the value of the precious metals produced from domestic ores each year.

While the value of the gold and silver is not separated in this table the proportion of gold is so small that the total each year may here be taken as the silver product.

It is believed that these figures as a revised estimate of the product of the mines of Germany more nearly represent the actual product of its mines than the larger product heretofore credited that country as the product of smelting works, with an arbitrary deduction for foreign material employed.

The full amount of gold produced by German smelting works has, as usual in the tabular estimate of the world's production, been credited as the product of Germany, although nearly all of it was obtained from imported ores and copper matte.

The total amount of gold obtained from domestic ores in the Prussian states in the years 1886 and 1887 is officially reported as follows:

Year.	Kilograms.	Value in marks.	Value in dollars.
1886.....	122.29	342,318	81,472
1887.....	82.38	230,585	54,879

However inconsistent, as suggested by Dr. Soetbeer, it may seem on the part of this Bureau to make a large deduction from the silver produce of Germany for foreign ores smelted, and none in the case of gold, it is believed that but little, if any, of the gold extracted at German

smelting works from foreign ores has been credited to the producing countries in the official estimates of production, as tabulated in these reports, for the reason that such gold occurs in minute and desultory quantities, and is obtained very largely from furnace and copper products, while it seldom if ever enters into the commercial value of exports.

Although not strictly correct to credit such product to Germany, the total product of gold in the world is more accurately exhibited by including than by excluding it. Unless credited to the country where separated in the processes of refining other metals it would escape record altogether.

AUSTRALASIA.

The product of gold and silver in Australasia, given in the table for the years 1884 and 1885, is from a statement furnished by Mr. George Anderson, deputy master of the Melbourne Branch of the Royal Mint.*

For the years 1886 and 1887 the product is from similar statements communicated by the same authority.†

The following tables are extracted from the Mineral Statistics of Victoria, 1887, relative to the product of gold and silver in the Australian colonies and New Zealand:

AVERAGE YIELD OF GOLD PER TON FROM ALL THE QUARTZ AND ALLUVIUMS TREATED FROM THE COMMENCEMENT OF MINING IN VICTORIA UP TO THE PRESENT TIME RESPECTING WHICH PARTICULARS HAVE BEEN RECEIVED BY THE DEPARTMENT.*

FROM QUARTZ REEFS.

Character.	Quantity treated.		Total yield of gold.			Average per ton.		
	<i>Tons.</i>	<i>cwt.</i>	<i>Ozs.</i>	<i>dwt.</i>	<i>grs.</i>	<i>Ozs.</i>	<i>dwt.</i>	<i>grs.</i>
Quartz.....	23,386,935	8	12,234,063	6	19	0	10	11.09
Tailings and mullock.....	2,187,539	15	344,370	7	5	0	3	3.56
Pyrites.....	119,363	18	252,240	13	5	2	2	4.70

FROM ALLUVIAL WORKINGS.

	<i>Tons.</i>	<i>cwt.</i>	<i>Ozs.</i>	<i>dwt.</i>	<i>grs.</i>	<i>Ozs.</i>	<i>dwt.</i>	<i>grs.</i>
Wash-dirt.....	13,392,842	14	998,626	14	16	0	1	11.79
Cement.....	280,388	8	88,326	10	20	0	4	15.45

* Mineral Statistics of Victoria, 1887, page 23.

NOTE.—The above does not show *the total quantity* of quartz, etc., crushed in the several localities, but only the yield from certain crushings respecting which the mining registrars have been able to obtain information. Owing to the circumstance that many of the machine-owners are precluded from giving information it is impossible to get complete returns from every district.

* Report of the Director of the Mint, 1886, pp. 181, 182.

† Precious Metals in the United States, 1887, pp. 77, 78.

AVERAGE YIELD OF GOLD PER TON OF QUARTZ CRUSHED IN VICTORIA IN EACH YEAR OF THE LAST DECADE.*

Year.	Quartz crushed.		Gold obtained.			Average.		
	Tons.	cwt.	Ozs.	dwt.	grs.	Ozs.	dwt.	grs.
1878.....	874,717	6	417,306	1	16	0	9	12.99
1879.....	849,324	16	372,946	0	22	0	8	18.77
1880.....	968,883	9	466,404	7	18	0	9	15.06
1881.....	1,041,212	4	455,969	14	22	0	8	18.2
1882.....	1,027,826	13	463,463	4	6	0	9	0.44
1883.....	924,430	19	440,086	9	2	0	9	12.82
1884.....	876,692	4	432,996	15	15	0	9	21.07
1885.....	843,250	17	423,879	5	16	0	10	1.28
1886.....	831,375	0	391,988	18	13	0	9	10.31
1887.....	780,733	3	367,519	1	23	0	9	9.95

* Mineral Statistics of Victoria, 1887, page 22.

NOTE.—The above does not show the total quantity of quartz, etc., crushed in the several localities, but only the yield from certain crushings respecting which the mining registrars have been able to obtain information. Owing to the circumstance that many of the machine-owners are precluded from giving information it is impossible to get complete returns from every district.

TOTAL ESTIMATED YIELD OF GOLD FOR THE COLONY OF VICTORIA FOR EACH YEAR SINCE THE COMMENCEMENT OF MINING IN THE COLONY (1851) UP TO DECEMBER 31, 1887.*

Year.	Ounces.	Year.	Ounces.
1851.....	212,899	1872.....	1,331,377
1852.....	2,286,535	1873.....	1,170,397
1853.....	2,744,098	1874.....	1,097,613
1854.....	2,218,483	1875.....	1,068,417
1855.....	2,819,288	1876.....	963,760
1856.....	3,053,744	1877.....	809,653
1857.....	2,820,213	1878.....	758,040
1858.....	2,596,231	1879.....	758,917
1859.....	2,348,703	1880.....	829,121
1860.....	2,224,069	1881.....	823,378
1861.....	2,035,173	1882.....	864,610
1862.....	1,730,201	1883.....	780,253
1863.....	1,694,819	1884.....	778,618
1864.....	1,622,447	1885.....	735,218
1865.....	1,611,554	1886.....	665,196
1866.....	1,546,948	1887.....	617,751
1867.....	1,501,446	Total.....	55,042,150
1868.....	1,684,918		
1869.....	1,544,756	Value.....	£220,168,600
1870.....	1,304,304		
1871.....	1,368,942		

* Mineral Statistics of Victoria, 1887, page 20.

NOTE.—In the earlier years of the gold mining industry no proper official record was kept of the amount of gold raised annually in the colony, and the above estimates, so far as these years are concerned, are based chiefly on the returns of gold exported from the colony, and inclusive of 1,267,241 ounces which, according to the registrar-general's tables, were produced in Victoria in 1852-1855, but passed through the customs of New South Wales, Tasmania, and South Australia. A small quantity of gold was also manufactured into jewelry, etc., in the colony during the years referred to.

RELATIVE AMOUNT OF GOLD PRODUCED BY THE AUSTRALIAN COLONIES AND
NEW ZEALAND FROM THE COMMENCEMENT OF MINING UP TO THE END OF
1886.*

Colonies.	Ounces.
Victoria.....	54,424,399
New Zealand.....	11,016,318
New South Wales.....	9,801,856
Queensland.....	5,181,219
Tasmania.....	447,414
† South Australia.....	194,000
† Western Australia.....	3,000

* Mineral Statistics of Victoria, 1887, p. 5.

† The figures for these colonies are approximated, there being no reliable official record available.

MEXICO.

The product of gold and silver in the Republic of Mexico for the years 1884 and 1885, as cited in the table, is that officially reported for those years by the Mexican Government, being an estimate by the department of foreign relations of the Mexican Government from the amount deposited at the mints and that exported through the custom-houses.*

The product for 1886 is also an official estimate on the part of the Mexican Government, prepared in a similar manner.†

The product for the year 1887 was compiled from the statistics of the precious metals in the reports of Don Javier Stavoli and the Mexican mint reports.†

RUSSIA.

The product of gold and silver from the mines of Russia for the years 1884 and 1885 is cited from replies of the Russian Government to the interrogatories addressed by this Bureau through the Department of State.§

The product for 1886 is likewise cited from the official reply of the Russian Government.||

The product credited Russia for the year 1887 is cited from the official reply of the Russian Government to interrogatories covering that year, not yet published, transmitted to this Bureau by the Department of State, January 17, 1889, as follows:

In 1887 the weight of gold produced at the mines and received at the mint in St. Petersburg was 30,232,863 grams, valued at 26,032,513 roubles, 51 copecks. In 1887 the weight of silver produced at the mines and received at the mint in St. Petersburg was 13,110,899 grams, valued at 728,539 roubles, 90 copecks.

* Precious Metals in the United States, 1886, p. 72. † *Ibid.*, 1887, p. 55. § *Ibid.*, 1886, pp. 75, 76.

|| Report of the Director of the Mint, 1887, p. 314.

The value of the gold rouble being 77.2 cents, the gold product in 1887 corresponded to \$20,092,000, or 30,232 kilograms, and the silver product to \$562,000, or 13,522 kilograms.

AUSTRIA-HUNGARY.

The product of gold and silver in the Empire of Austria-Hungary, given in the table, is that officially reported for the years 1884 and 1885.*

The product for 1887 is also that officially reported.†

For the year 1886 the product has not been officially communicated. The figures given as an estimate in the table for that year are the same as the product officially reported for 1885.

The product of the precious metals in that Empire, however, apparently does not materially vary from year to year.

SWEDEN.

The product of gold and silver from the mines of Sweden for the years 1884 and 1885 is that officially communicated to the United States minister resident.‡

The product for 1886 is also officially communicated by the United States minister at Stockholm.§

The same officer transmits, under date of August 28, 1888, replies to the interrogatories of the Bureau of the Mint, covering the calendar year 1887, in which the product of gold is given at 83.5935 kilograms of the value of 207,325.19 crowns, and silver at 5,828.72 kilograms of the value of 684,524.87 crowns.

NORWAY.

The production of Norway as given for 1884 in the table is from a communication from the treasury and customs department of the Norwegian Government to the secretary for foreign affairs, officially transmitted to this Government.||

The product for 1885 is also taken from the official report of the Norwegian Government.¶

Since 1885 the annual product has not been officially reported to this Bureau, and the product of 1885 is cited in the table as an estimate for each of the calendar years 1886 and 1887.

The product, however, is small and does not vary materially from year to year.

* Precious Metals in the United States, 1886, p. 89. † *Ibid.*, 1887, p. 73. ‡ *Ibid.*, 1886, p. 92. § *Ibid.*, 1887, p. 76. || *Ibid.*, 1886, p. 91. ¶ Report of the Director of the Mint, 1886, p. 221.

ITALY.

The product of gold and silver from the Italian mines during the year 1886 is cited from the *Annals of Agriculture*, 1888, last officially communicated.*

The same figures are cited in the table as an estimate for the years 1884 and 1885, as well as for 1887.

SPAIN.

The product of the mines of Spain has not been officially communicated to this Bureau in recent years. The silver product, estimated by Dr. Soetbeer for 1883 at 54,335 kilograms,† has been cited as the estimate for subsequent years. No gold is produced.

TURKEY.

The product of gold and silver in Turkey, as cited in the table, is the product last officially reported by the United States minister at Constantinople for the year 1886.‡

FRANCE.

The value of silver obtained in France from argentiferous lead ores during the year 1884 was officially communicated by our minister at Paris.§

The product for 1885 was also officially reported.||

The product for the year 1886 was also officially reported in reply to the interrogatories of this Bureau.¶

The product for the calendar year 1887 has not been officially reported. The figures cited in the table by way of an estimate are the product officially reported for the year 1886. No gold is produced.

GREAT BRITAIN.

The product of the mines of the United Kingdom, cited in the table of the world's production of the precious metals for the several years, is officially reported by Her Majesty's inspectors of mines.**

* *Precious Metals in the United States*, 1887, p. 73.

† *Materialien*, 1886, p. 16.

‡ *Precious Metals in the United States*, 1887, p. 76.

§ *Precious Metals in the United States*, 1886, p. 97; also *Report of the Director of the Mint*, 1886, p. 192.

|| *Report of the Director of the Mint*, 1887, p. 291.

¶ *Precious Metals in the United States*, 1887, p. 72.

** *Mining and Mineral Statistics for the year 1887*, London, 1888.

The following tables cover returns from domestic and imported ores and copper products for the calendar year 1887 :

GOLD ORE, 1887.				
England and Wales.	Owner.	Quantity.	Amount of metal in the ore.	Value of the ore at the mine.
Merionethshire: Mount Morgan, Trawsfynydd.	W. Prichard-Morgan & Co.	<i>Cwt.</i> 17 ³ / ₄	<i>Ounces.</i> 58	£209

SILVER.

The quantity of silver obtained from lead ore, produced from mines in the United Kingdom in 1887, amounted to 320,345 ounces; value, £59,564.

GOLD ORE IMPORTED INTO THE UNITED KINGDOM IN 1887 AND THE PRECEDING YEAR.		
[Return by Board of Customs.]		
Port of entry.	Quantity.	Value.
	<i>Tons.</i>	£
Glasgow	3	72
London	207	6,767
Southampton	5	354
Total for 1887	215	7,193
Total for previous year	464	15,027

METALS EXTRACTED FROM BURNT CUPREOUS PYRITES AT REDUCTION WORKS IN GREAT BRITAIN.				
Year.	Ore.	Metallie copper extracted (estimated).	Extracted by Claudet's process.	
			Gold (estimated).	Silver (estimated).
	<i>Tons.</i>	<i>Tons.</i>	<i>Ounces.</i>	<i>Ounces.</i>
1886.....	393,699	14,370	1,780	316,000
1887.....	410,996	15,000	1,875	330,000

IMPORTS OF SILVER ORE INTO THE UNITED KINGDOM, INCLUDING SILVER IMPORTED IN ARGENTIFEROUS LEAD AND COPPER ORES OR METALS.

[Return by Board of Customs.]

Exporting country.	Value.	Exporting country.	Value.
Argentino Republic	£10, 907	Peru.....	£82, 120
Australasia.....	624, 349	Spain	255, 842
Belgium	5, 262	United States of America.....	95, 240
Central America.....	2, 576	United States of Colombia.....	18, 431
Chili.....	108, 934	Other countries.....	27, 215
Greeco	74, 042	Total for 1887.....	1, 378, 156
Italy.....	4, 680	Total for previous year.....	1, 030, 488
Mexico	51, 614		
Turkey.....	16, 944		

Port of entry.	Value.	Port of entry.	Value.
Chester.....	£11, 570	Swansea	£3, 630
London	764, 613	Glasgow.....	44
Liverpool.....	364, 589	Granton	500
Llanelly	356	Dublin.....	315
Newcastle	52, 053	Total for 1887.....	1, 378, 156
New Haven.....	9, 501	Total for previous year.....	1, 030, 488
Shields	145, 702		
Southampton	25, 292		

GOLD BULLION AND SPECIE IMPORTED INTO AND EXPORTED FROM THE UNITED KINGDOM IN 1887 AND THE PRECEDING YEAR.

[Return by Board of Customs.]

Year.	Imports.	Exports.
1886.....	£13, 392, 256	£13, 783, 706
1887.....	9, 955, 326	9, 323, 614

SILVER BULLION AND SPECIE IMPORTED INTO AND EXPORTED FROM THE UNITED KINGDOM.

Year.	Imports.	Exports.
1886.....	£7, 471, 639	£7, 223, 699
1887.....	7, 819, 438	7, 807, 404

DOMINION OF CANADA.

The product of gold and silver in the Dominion of Canada for the years 1885, 1886, and 1887 is taken from the statistical report issued by the Geological and Natural History Survey of Canada.*

For the product of 1884, for which year official figures are not available, is employed by way of an estimate the official report for 1883.

ARGENTINE REPUBLIC.

The produce of the mines of the Argentine Republic for the years 1886 and 1887 is an estimate officially communicated through our minister at Buenos Ayres.†

The produce given in the table for the years 1884 and 1885 is an estimate based on the official report for 1883.

COLOMBIA.

The produce of the mines of Colombia for the year 1886 was reported by the United States legation at Bogota on information from trustworthy sources.‡

For 1887 the figures cited in the table are contained in the official answers to interrogatories of the Bureau of the Mint covering the calendar year 1887, transmitted by the Department of State January 23, 1889, and not yet published, and are as follows: Gold, 37,500 kilograms, approximately \$3,000,000; silver, 16,000 kilograms, approximately \$1,000,000.

It will be noticed that there is probably some error, but as the values about correspond to the annual produce of the mines of Colombia the reported weight has been ignored.

The produce for the year 1885, not having been officially reported, is estimated the same as officially communicated for 1886.

The produce for the year 1884 is likewise given as an estimate, being the same as officially communicated for the year 1882.

BOLIVIA.

In the last report of this series attention was directed to the fact that the silver product previously credited Bolivia, namely \$16,000,000 annually, as based on exports officially reported for the year 1883, was believed to be larger than the product of that country for any subsequent year.

The estimate was therefore reduced to \$10,000,000, which probably more approximately represents the annual output of silver from the mines of Bolivia.

Since the publication of that report and of my last fiscal report the Department of State has transmitted replies to interrogatories of this Bureau, covering the calendar year 1887, from the United States minister at La Paz, stating that it is impossible to obtain exact informa-

* Precious Metals in the United States, 1887, pp. 60-67. † *Ibid.*, p. 70. ‡ *Ibid.*, p. 67.

tion as to the product of the mines of Bolivia. The minister transmits an interesting statement, showing the exports of the precious metals by the different routes from Bolivia during the calendar year 1887, as follows:

RECAPITULATION OF EXPORTS OF SILVER, PRESUMED TO REPRESENT IN PART THE PRODUCT OF THE MINES, 1887.	
	Bolivianos (or dollars).
ORES.	
Via Puerto Perez and Desaguadero.....	170, 850.00
Arica.....	2, 066, 025.00
Tupiza and Alota.....	2, 138, 471.50
BULLION.	
Via Puerto Perez and Desaguadero.....	248, 918.07
Arica.....	1, 566, 579.00
Tupiza and Alota.....	1, 968, 385.50
Total ores and bullion.....	8, 159, 229.07
Coinage in 1887.....	1, 763, 451.22
Total export and coinage.....	9, 922, 680.29

EXPORTS OF GOLD AND SILVER, 1887.	
	Bolivianos (or dollars).
GOLD.	
Via Puerto Perez, Desaguadero and Arica:	
Gold manufactured.....	1, 040.00
Gold bullion (53,774 grams).....	40, 435.25
Gold coin.....	7, 611.00
SILVER.	
Via Puerto Perez and Desaguadero:	
Ores, 17,088 mares.....	170, 850.00
Bullion, 24,891 $\frac{5}{2}$ mares.....	248, 918.07
Old plate, 293 $\frac{4}{16}$ mares.....	2, 348.48
National coin.....	121, 847.46
Via Arica:	
Ores (45,944 kilograms).....	2, 066, 025.00
Bullion (34,800 kilograms).....	1, 566, 579.00
Old plate (168 kilograms).....	7, 560.00
National coin.....	270, 866.00
Via Tupiza and Alota:	
Ores (211,847 mares, 1 onz.).....	2, 138, 471.50
Bullion (196,438 mares 4 onz.).....	1, 968, 385.50
National coin.....	76, 032.00

The value of the exports and of coinage is given in bolivianos, the former, presumably, at the commercial value of the silver at the time of export.

The boliviano is a coin of the weight of 25 grams, fineness .900, containing the same amount of silver as two half dollars of the United States. While its bullion value in gold, estimated at the price of silver used in the valuation of foreign silver coins on January 1, 1889, was only 68 cents, it may, for the purposes of these statistics, be called the equivalent of a dollar.

It is also fair to assume that the coinage was manufactured from domestic silver.

These statistics, therefore, of the export and coinage of silver in Bolivia in 1887, furnished by our minister, go far towards confirming the last estimate of the Bureau of the Mint, viz, \$10,000,000 as the coining value of the annual silver product of that country in recent years.

The following table, showing the coinage of Bolivia each year since 1825, was also transmitted by our minister in reply to the interrogatories of this Bureau covering the calendar year 1887:

COINAGE OF BOLIVIA.					
Years.	Gold.	Silver.	Years.	Gold.	Silver.
		<i>Dollars. Rs.</i>			<i>Dollars. Rs.</i>
1825.....		1,345,232 3	1857.....	\$16,917	2,638,008 0
1826.....		1,583,057 0	1858.....		2,402,290 4
1827.....		1,633,538 4	1859.....		843,412 2
1828.....		1,369,928 0	1860.....		2,359,547 1
1829.....		1,549,456 4	1861.....		2,113,642 3
1830.....		1,789,300 8	1862.....		2,272,349 1
1831.....	\$122,944	1,889,992 0	1863.....		2,326,153 3
1832.....	148,478	1,861,938 8			<i>Bolivianos.</i>
1833.....	99,824	1,954,336 8	1864.....		1,899,914.85
1834.....	80,240	1,961,800 0	1865.....		1,709,520.20
1835.....	184,008	1,980,159 8	1866.....		2,043,076.00
1836.....	82,824	1,947,315 8	1867.....		2,192,762.10
1837.....	185,912	2,070,083 0	1868.....		2,609,731.59
1838.....	84,456	2,057,501 4	1869.....		1,912,911.90
1839.....	91,256	2,454,755 4	1870.....		1,162,835.20
1840.....	230,384	2,600,507 0	1871.....		1,734,411.00
1841.....	163,336	2,314,006 0	1872.....		2,302,692.50
1842.....	179,928	2,422,236 4	1873.....		1,332,703.15
1843.....	134,912	2,128,391 0	1874.....		403,240.00
1844.....	75,888	2,015,545 4	1875.....		797,000.00
1845.....	53,584	1,919,911 8	1876.....		970,879.20
1846.....	84,864	1,407,586 8	1877.....		1,309,170.50
1847.....	55,624	1,902,869 4	1878.....		1,471,500.00
1848.....		2,037,161 6	1879.....		2,040,131.12
1849.....	11,720	1,618,344 4	1880.....		2,107,500.00
1850.....		2,055,895 9	1881.....		1,897,000.00
1851.....			1882.....		1,933,500.00
1852.....	62,946	2,489,912 5	1883.....		1,987,000.00
1853.....	112,189	2,690,529 5	1884.....		1,074,293.70
1854.....	107,327	2,445,984 4	1885.....		1,289,410.50
1855.....	29,048	2,408,647 4	1886.....		1,091,537.20
1856.....	38,959	2,661,026 7	1887.....		1,763,451.22

It will be noticed that the values in these tables are expressed in dollars up to 1863 inclusive, and in bolivianos since that date. Up to the summer of 1863 accounts in Bolivia were kept in pesos or piasters of 8 reals; since that date in bolivianos.

CHILI.

The produce of the mines of Chili, cited in the table, for the year 1884, is officially reported by the minister of foreign affairs.*

The produce for 1886 was also officially reported by the United States minister.†

The produce officially reported for the year 1886 has been cited in the table by way of an estimate for the year 1885, for which year no official report is at hand.

Under date of February 28, 1889, Mr. C. M. Seibert, chargé d'affaires *ad interim* of the United States at Santiago, in response to the circular from the Department of State embracing the interrogatories of this Bureau covering the calendar year 1888, reports in regard to the produce of the mines as follows, being the produce for the year 1887:

No statistics as to the production of precious metals exist, but as these are usually sold to the mint or exported as soon as smelted, the export of bullion and coin may be taken as the amount produced by the mines (for 1887), or nearly so, namely: gold, 572 kilograms, value, \$442,518; gold ore or metal, 3,437 kilograms, value, \$1,148,899; total value, \$1,591,417. Silver, 200,000 kilograms, value, \$3,537,350.

The following is an extract from the *Estadística Comercial* for 1887, also communicated by Mr. Seibert by way of reply to the interrogatories relative to the exportation of bar silver and silver ores:

The total exportation of bar silver in the forty-four years 1844-'87 amounted to 2,712,188,303 grams, of the value of \$115,286,621, the lowest year being 1859, with 15,964,000 grams, and the highest 1887, with 193,736,949 grams.

In the six years 1844-'49 the lowest year was 1844, with 27,595,490 grams, and the highest 1849, with 71,185,687 grams. In the decade 1850-'59 the lowest year was 1859, with 15,964,000 grams, and the highest 1850, with 92,381,500 grams. In the decade 1860-'69 the lowest year was 1865, with 22,009,000 grams, and the highest 1869, with 82,523,797 grams. In the decade 1870-'79 the lowest year was 1876, with 34,799,737 grams, and the highest 1874, with 74,819,850 grams. Since 1879 the exports of bar silver have been as follows:

	Grams.		Grams.
1880.....	84,284,115	1884.....	66,465,597
1881.....	37,560,130	1885.....	155,616,593
1882.....	96,631,703	1886.....	154,545,562
1883.....	76,681,425	1887.....	193,736,949

In the forty-four years 1844-'87 the total exportation of silver ores amounted to 91,062,656 kilograms, of the value of \$16,203,636; the highest year being 1855, with 11,766,751 kilograms, and the lowest 1882, with 4,463 kilograms.

In the six years 1844-'49 the lowest year was 1844, with 35,880 kilograms, and the highest 1848, with 150,908 kilograms.

* Precious Metals in the United States, 1886, p. 109. † *Ibid.*, 1887, p. 70.

In the decade 1850-'59 the lowest year was 1850, with 332,534 kilograms, and the highest 1855, with 11,766,754 kilograms.

In the decade 1860-'69 the lowest year was 1869, with 872,503 kilograms, and the highest 1862, with 5,347,408 kilograms.

In the decade 1870-'79 the lowest year was 1879, with 40,853 kilograms, and the highest 1870, with 1,889,571 kilograms.

Since 1879 the exportation of silver ore has been as follows :

	<i>Kilograms.</i>		<i>Kilograms.</i>
1880.....	78,303	1884.....	5,227
1881.....	5,748	1885.....	229,218
1882.....	4,463	1886.....	76,586
1883.....	363,847	1887.....	215,398

BRAZIL.

The produce of the mines of Brazil for the year 1885, cited in the table, is the amount officially reported by the minister of foreign affairs.*

For the years 1886 and 1887, in the absence of official reports of production, the amounts cited in the table correspond with the amount of gold and silver exported through the custom-house at Rio de Janeiro in 1886.

For the year 1884, in the absence of an official report, the produce for 1883, officially reported, has been cited by way of an estimate.

VENEZUELA.

The product of gold from the mines of Venezuela for the year 1885 is the amount officially reported as having been exported during that year.†

The product for the years 1886 and 1887, credited in the table, is the product of two mills of El Callao Mining Company for the year 1886, and is used as an estimate for 1887.

For the year 1884, in the absence of an official report, the product of gold credited Venezuela is an estimate corresponding to the amount officially reported for 1885.

PERU.

The production of the mines of Peru for 1884 and 1885, given in the table, is that officially reported from the Government of Peru by the United States minister.‡

For the years 1886 and 1887 the product of gold is an estimate based upon the export of bullion and ore officially reported for 1886, and the same remark applies to the silver product for the year 1886.

The silver product for the year 1887 is an estimate furnished by the United States minister at Lima in answer to the Bureau's interrogatories.§

* Precious Metals in the United States, 1886, p. 111. † *Ibid.*, 1886, p. 116. ‡ *Ibid.*, 1886, p. 112. § *Ibid.*, 1887, p. 70.

CENTRAL AMERICAN COUNTRIES.

A small product of gold was officially reported from Costa Rica for the year 1885,* and also for the year 1887. The official product for 1887 has been quoted as an estimate for the year 1886.

A small product of silver was officially reported from Honduras for the year 1887.*

A small product of both gold and silver was officially reported from Salvador for the year 1887.*

JAPAN.

The product of gold and silver credited Japan for the years 1884 and 1885 in the table is the produce of the Government and private mines officially reported.†

The produce for 1886 includes that of Government as well as private mines, and was officially reported.‡

The produce for 1887 is the produce of the Government mines for that year and of the private mines for 1886, the produce of the private mines for 1887 not having been known when the statement was officially communicated through the Department of State.‡

AFRICA.

The product of gold and silver credited Africa each year in the table is based on the imports of the precious metals into the United Kingdom from the west and south coasts of Africa, cited from Board of Trade returns by Mr. A. Sauerbeck, F. S. S., and by him kindly furnished this Bureau. It agrees substantially with the report of the United States consul at Cape Town on the produce of the South African gold-fields.§

Full statistics of the export of gold through the custom-houses of Natal and Cape Colony since 1871 were published in the last report of this series.||

CHINA.

The product of gold credited China for the years 1884 and 1885 in the table is taken from statistics kindly furnished by Dr. Ivan C. Michels,¶ and represents, approximately, the Chinese production of gold in the Amoor, and part of the Sheltuga, district for those years.

For 1886* and 1887 the product given in the table is the amount of gold imported into Great Britain from China.

INDIA.

The value of gold credited British India in the table for each of the years 1885, 1886, and 1887, is taken from responses on the part of the assistant secretary to the Government of India to the interroga-

* Precious Metals in the United States, 1887, p. 71. † *Ibid.*, 1887, p. 76. ‡ *Ibid.*, 1887, p. 79. § *Ibid.*, 1887, p. 80. || *Ibid.*, 1886, p. 125. ¶ *Ibid.*, 1886, p. 122.

tories of this Bureau, and represents the product of gold in the Mysore province and the Madras presidency.*

The gold mines of India have made a larger output during the year 1888 than in any prior year.

The bulk of the gold produced in 1888 was from four mines.

The following table, extracted from The Economist, London, January 12, 1889, shows the approximate value of the gold product during the year 1888 with a comparison for 1887:

	1888.	1887.
Mysore	£73, 540	£50, 828
Nundydroog	26, 390	5, 738
Ooregum.....	15, 140	.....
Balaghat.....	10, 480	700
Smaller returns.....	9, 000	3, 000
Total	134, 550	60, 266

The following table extracted from the Mining World and Engineering Record, London, January 12, 1889, exhibits the amount of gold produced by the mining companies in the gold-fields of Mysore, India, for the years 1887 and 1888, together with the total amount produced since the beginning of mining operations, as well as the capital invested in the enterprises :

GOLD PRODUCED BY THE MINING COMPANIES OF THE COLAR FIELD OF MY-SORE, INDIA, FOR THE YEARS ENDING 1887 AND 1888, TOGETHER WITH THE GRAND TOTAL AMOUNT PRODUCED SINCE MINING OPERATIONS WERE COM-MENCED IN THE FIELD, AND COMPARISON OF MARKET VALUE, AT STATED TIMES, OF THE CAPITAL EMBARKED IN THE INDUSTRY.				
Gold mining companies in the Colar field of Mysore, India.	Year of reg-istration.	Original capital au-thorized.	Value of capital in 1886 (high-est re-corded).	Value of original with in-creased capital on Jan. 5, 1889 (approx-imate).
Mysore	1880	£135, 000	£1, 406, 250	£579, 687
Oonegum	1880	125, 000	281, 250	} 367, 500
Do			270, 000	
Nundydroog	1880	100, 000	373, 000	219, 500
Mysore Reefs.....	1881	120, 000	219, 375	40, 500
Nine Reefs	1881	100, 000	500, 000	56, 250
Indian Consolidated	1881	500, 000	825, 000	120, 000
Mysore West (in liquidation)	1886	125, 000	125, 000	9, 350
Balaghat, Mysore	1886	150, 000	187, 800	101, 250
Mysore-Wynaad.....	1886	250, 000	218, 750	28, 125
Gold-fields of Mysore.....	1886	220, 000	1, 265, 000	247, 500
Southeast Mysore	1886	130, 000	130, 000	71, 500
Colar Central	1886	150, 000	150, 000	37, 500
Eastern Mysore.....	1886	130, 000	146, 250	16, 250
Total		2, 235, 000	6, 097, 375	1, 894, 917

* Precious Metals in the United States, 1887, p. 78.

GOLD PRODUCED BY THE MINING COMPANIES OF THE COLAR FIELD OF MYSORE,
INDIA, ETC.—Continued.

Gold mining companies in the Colar field of Mysore, India.	Year of reg- istra- tion.	Value of gold produced from 1880 to Dec. 31, 1886.	Value of gold produced from Dec. 31, 1886, to Dec. 31, 1887.	Value of gold produced from Dec. 31, 1887, to Dec. 31, 1888.	Total value of gold produced from 1880 to Dec. 31, 1888.
		£ s d.	£ s d.	£ s d.	£ s d.
Mysore	1880	90,923 9 11	50,827 17 5	73,973 13 8	215,725 1 0
Oonegum	1880	.....	.....	15,290 19 11	15,290 19 11
Do .....		.....	.....	.....	.....
Nundydroog	1880	.....	5,737 18 10	26,522 19 0	32,260 17 10
Mysore Reefs	1881	.....	.....	.....	.....
Nino Reefs	1881	.....	549 13 9	3,071 3 1½	3,621 1 10½
Indian Consolidated	1881	.....	420 0 0	4,139 13 1½	4,559 13 1½
Mysore West (in liquida- tion)	1886	.....	.....	.....	.....
Balaghat, Mysore	1886	.....	682 0 0	10,538 19 2	11,220 19 2
Mysore-Wynaad	1886	.....	.....	.....	.....
Gold-fields of Mysore....	1886	.....	.....	.....	.....
Southeast Mysore	1886	.....	.....	386 0 0	386 0 0
Colar Central	1886	.....	.....	.....	.....
Eastern Mysore	1886	.....	.....	.....	.....
Total		90,923 9 11	58,217 14 0	133,923 8 0	283,064 12 11

N. B.—The value of the various crushings of the Nine Reefs and Indian Consolidated Companies is estimated at £3½ per ounce, but the crushings of the other four companies are official, with the exception of those for October, November, and December, 1888, which, in the absence of official information, are estimated at £3½ per ounce.

PART II.

PRODUCTION OF STATES AND TERRITORIES.

CHAPTER I.

ALASKA.

The product of the precious metals in the Territory of Alaska for the calendar year 1888 is estimated by Mr. Israel Lawton, Superintendent of the Mint at San Francisco, to have been of the value of \$853,000, of which \$850,000 was gold and \$3,000 silver.

This estimate is principally based on manifested values of the precious metals transported from Alaska to San Francisco for refining.

As no facilities exist in Alaska for refining, the above estimate must be supposed to practically cover the whole product of the Territory.

CHAPTER II.

ARIZONA.

By ALEX. TRIPPEL, GLOBE, ARIZONA.

Production of the precious metals in Arizona during the year 1888 declined considerably, compared with the preceding year.

The tabular exhibits show a product as follows :

Gold	\$571,501
Silver, coin value.....	3,560,079
Total.....	4,431,580

Taking the silver at \$1 per ounce, the value is distributed as follows:

Shipped as bullion, by express, steamer, or otherwise—		
Gold	\$532,493	
Silver	949,731	
Shipped as contained in various mine products—		\$1,482,224
Gold	239,008	
Silver	1,801,490	
Total.....		3,522,722
Estimated as sent by private parties and mail.....		100,000
Total.....		3,622,722

PRODUCTION OF ARIZONA BY COUNTIES, 1888.

Counties.	Ores.		Concentrations.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold	Silver			
Apache.....					\$1,500		\$1,500		\$1,500
Cochise.....	\$52,618	\$228,974	\$8,319	\$58,233	72,946	\$537,048	133,883	\$824,255	958,138
Gila.....		15,037			932	19,263	932	34,300	35,232
Graham.....		2,500			61,672		61,672	2,500	64,172
Maricopa.....		59,889	2,100		134,982	26,640	137,082	86,629	223,711
Mohave.....	1,400	52,000			8,750	38,650	10,150	50,650	100,800
Pima.....	15,000	372,914	9,000	16,000	129,481	108,984	153,481	497,898	651,379
Pinal.....				677,574	700	211,466	700	889,040	889,740
Yavapai.....	52,571	216,096	98,000	1,800	43,386	4,280	193,951	222,176	416,127
Yuma.....		73,000		27,373	78,150	3,400	78,150	103,773	181,923
	121,589	1,020,510	117,419	780,980	532,493	949,731	771,501	2,751,221	3,522,722
Estimated by private conveyance and mail (gold)									100,000
Total.....									3,622,722
Coinage value of total silver produced.....									3,560,079
Total gold produced.....									771,501
Total.....									4,331,580
Estimated by private conveyance and mail (gold)									100,000
Grand total.....									4,431,580

PRODUCT OF COCHISE COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Telephone, Tombstone					\$6,000	\$40,000	\$6,000	\$40,000	\$46,000
Herschel, Tombstone					1,400	24,521	1,400	24,521	25,921
West Side, Tombstone	\$13,860	\$33,881					13,860	33,881	47,741
Lucky Cuss, Tombstone	22,120	78,626					22,120	78,626	100,746
Old Guard, Tombstone						15,000		15,000	15,000
Rattle Snake, Tombstone ..					4,500	32,050	4,500	32,050	36,550
Manimoth, Tombstone					6,500	36,200	6,500	36,200	42,700
Bunker Hill, Tombstone					5,450	35,300	5,450	35,300	40,750
Emerald, Tombstone	11,092	77,645	\$5,546	\$38,822	32,331	226,318	48,969	342,785	391,754
State of Maine, Tombstone	5,546	38,822	2,773	19,411	16,165	113,159	24,484	171,392	195,876
Ground Hog, Tombstone					200	4,250	200	4,250	4,450
Virginia, Tombstone					400	10,250	400	10,250	10,650
Total	52,618	228,974	8,319	58,233	*72,946	537,048	133,883	824,255	958,138

* \$66,646, surplus gold contained in bullion, shipped as silver.

PRODUCT OF GILA COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Quartzite, Pioneer		\$7,000						\$7,000	\$7,000
Pioneer, Pioneer		1,800						1,800	1,800
Fame, Globe						\$7,528		7,528	7,528
Richmond Basin, Globe						5,667		5,667	5,667
Pinal Creek Placers, Globe ...					\$702		\$702		702
Lost Gulch Placers, Globe					230		230		230
Sundry chloriders, Globe		6,237						6,237	6,237
Sundry mines, Globe						6,068		6,068	6,068
Total		15,037			932	19,263	932	34,300	35,232

PRODUCT OF MARICOPA COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Phoenix, Myers			\$1,300		\$36,000		\$37,300		\$37,300
Vulture, Myers			800		25,000		25,800		25,800
Cave Creek, Cave Creek					20,000		20,000		20,000
White Pecocho, White Pecocho		\$27,989						\$27,989	27,989
West Humburg, West Humburg		32,000						32,000	32,000
Hawk Placers, Cave Creek ...					7,500		7,500		7,500
Sundry mines					30,322	\$16,640	30,322	16,640	46,962
Sundry placers					16,160	10,000	16,160	10,000	26,160
Total		59,989	2,100		134,982	26,640	137,082	86,629	223,711

PRODUCT OF PIMA COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Daisy, Dos Cabeza.....					\$1, 220	\$5, 659	\$1, 220	\$5, 659	\$6, 879
Olive, Olive.....		\$23, 100						23, 100	23, 100
Annie, Olive.....		40, 600						40, 600	40, 600
Richmond, Olive.....		2, 521						2, 521	2, 521
Miner Boy, Olive.....		5, 043						5, 043	5, 043
Speculator, Olive.....		11, 200						11, 200	11, 200
Williams, San Xavier.....						7, 000		7, 000	7, 000
San Xavier, San Xavier.....		11, 250				13, 050		24, 300	24, 300
Peerless, Quijota.....						26, 000		26, 000	26, 000
Locomotive, Quijota.....						23, 000		23, 000	23, 000
Santa Rita, Greaterville.....					24, 000		24, 000		24, 000
Total Wreck, Empire.....						16, 000		16, 000	16, 000
Prosperity, Empire.....						5, 500		5, 500	5, 500
Justice, Empire.....						4, 000		4, 000	4, 000
Colorow, Arivaca.....						500		500	500
Saginaw, Tyndal.....					16, 000		16, 000		16, 000
Maple Grove, Casa Grande.....					10, 000		10, 000		10, 000
Jack Rabbit, Casa Grande.....						6, 000		6, 000	6, 000
Sundry mines, Nogales.....		92, 200			61, 000		61, 000	92, 200	153, 200
Sundry mines, Calabasas.....	\$15, 000	132, 000			7, 261		22, 261	132, 000	154, 261
Sundry mines, Aztec.....					6, 000	1, 275	6, 000	1, 275	7, 275
Sundry mines, Casa Blanco.....					4, 000	1, 000	4, 000	1, 000	5, 000
Sundry mines, Harshaw.....		55, 000	\$9, 000	\$16, 000			9, 000	71, 000	80, 000
Total.....	15, 000	372, 914	9, 000	16, 000	129, 481	108, 984	153, 481	497, 898	651, 379

PRODUCT OF PINAL COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Vekol, Casa Grande.....						\$14, 000		\$14, 000	\$14, 000
Monarch, Casa Grande.....						9, 300		9, 300	9, 300
Great Eastern, Casa Grande.....						6, 467		6, 467	6, 467
Silver King, Pioneer.....				\$677, 574		60, 226		737, 800	737, 800
Reymert, Pioneer.....						79, 542		79, 542	79, 542
Tortillita, Owl's Head.....						15, 000		15, 000	15, 000
Southern Belle, Old Hat.....					\$300		\$300		300
Mineral Creek Placers, Mine- ral Creek.....					400		400		400
Sundry mines.....						26, 931		26, 931	26, 931
Total.....				677, 574	700	211, 466	700	889, 040	889, 740

PRODUCT OF YAVAPAI COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Silver Musoum, Humbug....	\$130	\$10,250	.....	.....	.....	.....	\$130	\$10,250	\$10,380
Good as Any, Humbug.....	80	10,130	.....	.....	.....	.....	80	10,130	10,210
Little Joe.....	48	2,100	.....	.....	.....	.....	48	2,100	2,148
Clipper.....	.....	1,000	.....	.....	.....	.....	.....	1,000	1,000
Willow, Humbug.....	.....	1,050	.....	.....	.....	.....	.....	1,050	1,050
Shannon.....	.....	500	.....	.....	.....	.....	.....	500	500
Foy, Humbug.....	64	1,950	.....	.....	.....	.....	64	1,950	2,014
Pizzaro, Humbug.....	.....	1,000	.....	.....	.....	.....	.....	1,000	1,000
Camp Cole, Humbug.....	24	500	.....	.....	.....	.....	24	500	524
Tuscarora.....	.....	500	.....	.....	.....	.....	.....	500	500
El Dorado, Humbug.....	.....	980	.....	.....	.....	.....	.....	980	980
Hualpai.....	215	5,860	.....	.....	.....	.....	215	5,860	6,075
Tip Top, Humbug.....	1,040	2,000	.....	.....	.....	.....	1,040	2,000	3,040
Tough Nut.....	.....	1,000	.....	.....	.....	.....	.....	1,000	1,000
Smuggler.....	.....	1,000	.....	.....	.....	.....	.....	1,000	1,000
Arizona Ore Company.....	9,655	55,180	.....	.....	.....	.....	9,655	55,180	64,835
Hillside, Weaver.....	37,714	75,429	.....	.....	.....	.....	37,714	75,429	113,143
Howard, Hassayampa.....	.....	.....	.....	.....	\$16,880	\$480	16,880	480	17,360
Ruby, Walker.....	327	5,262	.....	.....	.....	.....	327	5,262	5,589
Amulet, Walker.....	58	31,935	.....	.....	.....	.....	58	31,935	31,993
Congress, Martinez.....	.....	.....	\$98,000	\$1,800	.....	.....	98,000	1,800	99,800
Belle, Walker.....	3,016	2,470	.....	.....	.....	.....	3,016	2,470	5,486
Sundry mines.....	200	6,000	.....	.....	26,500	3,800	26,700	9,800	36,500
Total.....	52,571	216,096	98,000	1,800	43,380	4,280	193,951	222,176	416,127

PRODUCT OF YUMA COUNTY, 1888.

Mine and district.	Ores.		Concentra- tions.		Bullion.		Total gold.	Total silver.	Grand total.
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.			
Clip Mine, North Silver.....	\$27,373	.....	.....	.....	\$27,373	\$27,373
La Paz Placers, Ellsworth.....	\$9,825	.....	\$9,825	.....	9,825
Ehrenberg, Castle Dome.....	6,000	.....	6,000	.....	6,000
Gila City Placers, Castle Dome.....	3,825	.....	3,825	.....	3,825
Oregon, Seneca.....	4,000	.....	4,000	.....	4,000
Powhatan, Seneca.....	2,000	.....	2,000	.....	2,000
Gold Hill and Golden Eagle, Centennial.....	40,000	.....	40,000	.....	40,000
Red Cloud, Silver.....	\$63,000	.....	.....	.....	.....	.....	63,000	63,000
Cleveland, Castle Dome.....	10,000	.....	.....	.....	.....	.....	10,000	10,000
Placers, Centennial.....	12,500	.....	12,500	.....	12,500
Sundry mines.....	\$3,400	.....	3,400	3,400
Total.....	73,000	.....	27,373	*78,150	3,400	78,150	103,773	181,923

* \$59,000 of reported gold shipped per steamer direct.

WELLS, FARGO & CO.'S SHIPMENTS OF GOLD AND SILVER FROM THE COUNTIES
OF CALIFORNIA FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1888.

County.	Gold.	Silver.	Total
Amador.....	\$1,092,707	.....	\$1,092,707
Butte.....	349,013	.....	349,013
Calaveras.....	615,283	.....	615,283
Colusa.....	5,525	.....	5,525
El Dorado.....	254,277	.....	254,277
Fresno.....	198,689	\$2,678	201,367
Humboldt.....	1,000	.....	1,000
Inyo.....	18,590	3,700	22,290
Kern.....	21,022	23,250	44,272
Lassen.....	2,145	.....	2,145
Los Angeles.....	17,923	11,910	29,833
Mariposa.....	99,523	.....	99,523
Merced.....	1,096	.....	1,096
Mono.....	214,552	6,435	220,987
Modoc.....	27,386	.....	27,386
Napa.....	.....	13,000	13,000
Nevada.....	2,076,605	1,750	2,078,355
Placer.....	510,441	.....	510,441
Plumas.....	673,222	.....	673,222
Sacramento.....	202,528	.....	202,528
San Bernardino.....	3,005	462,288	465,293
San Diego.....	161,370	119,567	280,937
Shasta.....	392,278	.....	392,278
Sierra.....	836,413	.....	836,413
Siskiyou.....	271,608	.....	271,608
San Joaquin.....	4,500	.....	4,500
Stanislaus.....	13,863	.....	13,863
Tehama.....	15,605	.....	15,605
Tulare.....	11,086	7,949	19,035
Trinity.....	388,522	.....	388,522
Tuolumne.....	411,865	.....	411,865
Yuba.....	268,441	125	268,566
Total.....	9,160,083	652,652	9,812,735
Estimate by other conveyance.....	916,008	.....	916,008
Ores and base bullion by freight.....	.....	1,334,725	1,334,725
Total.....	10,076,091	1,987,377	12,063,468

CHAPTER IV.

COLORADO.

By GEORGE C. MUNSON,

Assayer in charge United States Mint, Denver, Colo.

The value of the product of the precious metals in Colorado during the calendar year 1888, based upon reports received from persons in charge of mines, was \$28,031,047.90, of which \$3,758,098.46 was gold and \$24,272,949.44 was silver.

Gold has been reckoned at \$20 per ounce, fine; silver has been estimated at the coinage rate of \$1.2929 per ounce, fine.

The noticeable increase of silver during the year was largely due to the augmented product of Pitkin County.

Values of lead and copper produced are given at 4.4 cents and 16.75 cents per pound.

GOLD AND SILVER OUTPUT OF GILPIN COUNTY FROM 1859 TO 1888. DIRECT ESTIMATES.

Year.	Value.	Year.	Value.	Year.	Value.
1859	\$250,000.00	1870.....	\$1,552,000.00	1881.....	\$2,110,000.00
1860.....	900,000.00	1871.....	1,400,000.00	1882.....	2,006,516.00
1861.....	750,000.00	1872.....	1,389,289.00	1883.....	1,850,000.00
1862.....	1,200,000.00	1873.....	1,340,502.00	1884.....	2,310,000.00
1863.....	1,600,000.00	1874.....	1,531,863.00	1885.....	2,639,500.00
1864.....	1,800,000.00	1875.....	1,533,909.00	1886.....	1,496,990.26
1865.....	1,500,000.00	1876.....	2,105,544.00	1887.....	1,732,547.50
1866.....	750,000.00	1877.....	2,208,037.00	1888.....	1,538,760.87
1867.....	1,000,000.00	1878.....	2,280,871.00	Total	49,002,079.63
1868.....	1,300,000.00	1879.....	2,625,750.00		
1869.....	1,680,000.00	1880.....	2,620,000.00		

GOLD, SILVER, AND LEAD OUTPUT OF SUMMIT COUNTY, FROM 1860 TO 1888.
DIRECT ESTIMATES.

Year.	Gold.	Silver and lead.	Total.
1860 to 1870.....	\$5, 500, 000. 00	.....	\$5, 500, 000. 00
1870.....	100, 000. 00	.....	100, 000. 00
1871.....	70, 000. 00	.....	70, 000. 00
1872.....	60, 000. 00	.....	60, 000. 00
1873.....	101, 000. 00	*\$200, 000. 00	301, 000. 00
1874.....	76, 408. 00	50, 000. 00	126, 408. 00
1875.....	72, 413. 00	50, 000. 00	122, 413. 00
1876.....	150, 000. 00	200, 000. 00	350, 000. 00
1877.....	150, 000. 00	40, 000. 00	190, 000. 00
1878.....	165, 774. 00	155, 000. 00	320, 774. 00
1879.....	75, 000. 00	150, 000. 00	225, 000. 00
1880.....	63, 000. 00	330, 000. 00	393, 000. 00
1881.....	35, 000. 00	2, 120, 000. 00	2, 155, 000. 00
1882.....	60, 000. 00	1, 000, 000. 00	1, 060, 000. 00
1883.....	15, 000. 00	350, 000. 00	365, 000. 00
1884.....	20, 000. 00	300, 000. 00	320, 000. 00
1885.....	218, 525. 14	303, 000. 00	521, 525. 14
1886.....	164, 221. 64	676, 786. 32	841, 007. 96
1887.....	291, 111. 56	391, 791. 84	682, 903. 40
1888.....	282, 209. 44	766, 943. 16	1, 049, 152. 60
Total	7, 669, 662. 78	7, 083, 521. 32	14, 753, 184. 10

* Total to 1873.

PRODUCTION BY MINES IN COLORADO, 1888.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Boulder County.</i>						
Acme*.....						
Alconda*.....						
Atchison M. and M. Co.*.....						
Amalgam Thief*.....						
American*.....						
Alamakee	\$22, 900. 00	\$2, 834. 09	\$25, 734. 09			\$25, 734. 09
American Eagle*.....						
Alpine*.....						
Bulmer*.....						
Big Blossom	673. 20	43. 95	717. 15			717. 15
Bismarck*.....						
Belcher.....		51, 715. 88	51, 715. 88			51, 715. 88
Boston.....	20, 220. 80	7, 862. 77	28, 083. 57			28, 083. 57
B. and M.	2, 400. 00	103. 43	2, 503. 43			2, 503. 43
Bella *.....						
Boulder Company*.....						
Belle of Memphis*.....						

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Boulder County—Continued.</i>						
Black Cloud M. and M. Co.*						
Belle of Titusville*						
Big John†						
Bunker Hill*						
Buckhorn	\$460.00	\$51.72	\$511.72			\$511.72
Blue Bird*						
Caribou	1,600.00	77,575.75	79,175.75			79,175.75
Cleveland*						
Chingkus Kahn	600.00	38.78	638.78			638.78
Charcoal*						
Cora Bello*						
Cash	20,000.00	1,292.92	21,292.92			21,292.92
Clarence*						
Cold Spring	900.00	155.15	1,055.15			1,055.15
Columbia	8,400.00	1,034.34	9,434.34			9,434.34
Columbia No. 7†						
Colorado*						
Chicago and Colorado Mining Co.*						
Centennial*						
Clipper*						
Carbonate*						
Dime*						
Dingo*						
Dog Cansoo	2,400.00	129.29	2,529.29			2,529.29
Evans*						
Emancipation	8,000.00	2,585.80	10,585.80			10,585.80
El Dorado*						
Eureka*						
Ellen*						
Elmora	200.00	25.86	225.86			225.86
Eclipse*						
Emerson*						
Freiburg	420.00	129.29	549.29			549.29
Franklin*						
Five Brothers*						
First National Bank	280.00	5,171.71	5,451.71			5,451.71
Forlorn Hope*						
Forest*						
Graphic	200.00	2.58	202.58			202.58
Grand View†						
Grand Central	1,400.00	129.29	1,529.29			1,529.29
Gray Eagle	750.00	1,034.34	1,784.34			1,784.34
Grant Company*						
Golden Age	4,800.00	155.15	4,955.15			4,955.15
Grand View (Sunshine district)	900.00	155.15	1,055.15			1,055.15

* No production during 1888.

† No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Boulder County—Continued.</i>						
Good Hope*						
Gold Ring*						
Gold Metal*						
Grand Union*						
Gardner*						
Golden Eagle*						
Golden Belle*						
Hereafter.....	\$400.00	\$6.46	\$406.46			\$406.46
Hercules Mining Co.*						
Idaho*						
Ingram*						
Inter-Ocean*						
Independence	300.00	12.93	312.93			312.93
King William*						
Kokomo*						
Jules*						
Little Pittsburgh.....	200.00	2.58	202.58			202.58
Logan†						
Livingston	3,900.00	142.42	4,042.42			4,042.42
Little Johnnie*						
Little Mary*						
Lost Lode*						
Longfellow*						
Little Fred*						
Little Pet*						
Limbo*						
Little Corporal*						
Lillie*						
Modoc.....	760.00	51.72	811.72			811.72
Morning Star.....	360.00	25.86	385.86			385.86
Melvina	5,600.00	1,292.00	6,892.00			6,892.00
Milwaukee*						
Miner's Luck.....	800.00	129.29	929.29			929.29
Monitor	800.00	4,680.40	5,480.40			5,480.40
Morning Glory*						
Mack*						
Montezuma*						
Montreal*						
Mountain Lion†						
New Discovery*						
New Enterprise*						
Night Shade*						
Nil Desperandum*						
New York*						
Nelson*						
Native Silver*						
Nugget Group*						
Osceola†						

* No production during 1888.

† No report received.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Boulder County—Continued.</i>						
Orion*						
Ophir*						
Occidental*						
Poor Man	\$480.00	\$25.86	\$505.86			\$505.86
Poor Man (Caribou district)	1,429.00	185,682.74	187,111.74	\$12,641.20		199,752.94
Pride*						
Phil. Sheridan*						
Prussian	2,400.00	258.58	2,658.58			2,658.58
Puzzler †						
Pine Shade	500.00	6.46	506.46			506.46
Phillips Placer*						
Romance*						
Rip Van Dam*						
Richmond Group	1,600.00	387.87	1,987.87			1,987.87
Rebecca	480.00	6.46	486.46			486.46
Red Cloud*						
Revenue*						
R. Potter*						
Senator Hill*						
Sax & Fox*						
Sugar Loaf*						
Smoky Hill	6,778.80	285.74	7,064.54			7,064.54
Sitting Bull*						
St. George*						
Sterling	400.00	129.29	529.29			529.29
St. Joe	4,500.00	640.00	5,140.00			5,140.00
Slide*						
Sovereign People*						
Standard	750.00		750.00			750.00
Smuggler †						
Seven Thirty*						
Sanders Hope*						
St. Clare*						
Three Brothers*						
Telephone*						
Twin Blossom*						
Tambourine	600.00	12.92	612.92			612.92
Utica	14,640.00	894.12	15,534.12			15,534.12
Victoria*						
Ward Lamon*						
Webster*						
Wild Tiger*						
Wigwam	10.00	5,171.00	5,181.00			5,181.00
Williams Tunnel*						
Western Slope*						
White Crow†						
Washburn*						

* No production during 1888.

† No report received.

‡ Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Boulder County—Continued.</i>						
Washington Irving*						
Wisconsin*						
West Point*						
Yellow Pine Group....	\$49. 38	\$26, 248. 86	\$26, 298. 24	\$797. 98	\$183. 58	\$27, 279. 80
Young American*						
Confidential reports ...	44, 000. 00	1, 919. 86	45, 919. 86			45, 919. 86
Total production during 1888....	189, 241. 18	380, 240. 66	569, 481. 84	13, 439. 18	183. 58	583, 104. 60
<i>Clear Creek County.</i>						
Albro.....	4, 000. 00	1, 292. 90	5, 292. 90		1, 440. 00	6, 732. 90
Aliundet.....						
Astor-Alliance.....		4, 839. 43	4, 839. 43			4, 839. 43
Aetna*						
Anglo Saxon Extra*						
Arizona*						
Apex*						
Argo	414. 40	13, 549. 88	13, 964. 28	582. 56		14 546. 84
Argo, Seaton Mountain *						
Antelope*						
Black Lode	600. 00	3, 490. 90	4, 090. 90	265. 20		4, 356. 10
Burnett.....	2, 725. 00	1, 486. 86	4, 211. 86			4, 211. 86
Brazil*						
Black Hawk*						
Bullion*						
Backbone.....		2, 585. 85	2, 585. 85	132. 60		2, 718. 45
Big Blue.....		25, 858. 58	25, 858. 58			25, 858. 58
Baldwin M. and M. Co.		8, 000. 00	8, 000. 00			8, 000. 00
Beecher*						
Black Prince	224. 00	12, 929. 29	13, 153. 29	486. 20		13, 639. 49
Bismarck*						
Baltimore Tunnel.....		31, 030. 30	31, 030. 30			31, 030. 30
Blue Ridge		1, 745. 44	1, 745. 44	61. 88		1, 807. 32
Bentent.....						
Broville*						
Burrell*						
Black Bear.....	60. 00	387. 87	447. 87	21. 12	80. 40	549. 39
Bald Eagle	46. 60	3, 308. 53	3, 355. 13	176. 00		3, 531. 13
Bush		2, 404. 84	2, 404. 84	397. 80		2, 802. 64
Brunswick*						
Champion	22, 400. 00	7, 822. 05	30, 222. 05		2, 345. 00	32, 567. 05
Colorado United Mining Co.†.....						
Cold Stream.....		3, 440. 47	3, 440. 47	309. 40		3, 749. 87
Colorado Central.....		236, 145. 78	236, 145. 78	9, 105. 20		245, 250. 98
Consolidated Republican Mountain Silver Mine.....		32, 323. 23	32, 323. 23	2, 210. 00		34, 533. 23

* No production during 1888.

† No report.

‡ Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Olear Creek County—Continued.</i>						
Cliff		\$2, 586. 00	\$2, 586. 00	\$176. 80		\$2, 762. 80
Crown Prince*						
Cashier*						
Charter Oak*						
Crystall†						
Commonwealth	\$15. 00	870. 14	885. 14	707. 20		1, 592. 34
Crockett*						
Denver City*						
Dunderburg Mining Co.		1, 616. 15	1, 616. 15	442. 00		2, 058. 15
Diamond Tunnel Co		108, 606. 06	108, 606. 06			108, 606. 06
Dubuque*						
Davenport*						
Dora*						
Dove's Nest*						
Danube*						
Emma C.	3, 750. 00	29, 090. 90	32, 840. 90	3, 315. 00		36, 155. 90
Emma*						
East Dives†						
Equator		77, 575. 75	77, 575. 75	3, 180. 40		80, 756. 15
Everett*						
Eclipse	122. 80	1, 747. 57	1, 870. 37	87. 20		1, 957. 57
European*						
Edgar*						
Edna*						
Esmeralda	750. 00	6, 464. 64	7, 214. 64			7, 214. 64
Fletcher Mining Co*						
Fourth of July	749. 40	3, 893. 00	4, 642. 40	769. 80		5, 412. 20
Franklin	7, 500. 00	29, 090. 90	36, 590. 90	7, 956. 00		44, 546. 90
Freeland	111, 444. 63	26, 868. 97	138, 313. 60			138, 313. 60
Foxhall Tunnel Co.	2, 620. 40	8, 247. 59	10, 867. 99	536. 40		11, 404. 39
Fred Rogers		9, 050. 50	9, 050. 50			9, 050. 50
Fall River*						
Gem	4, 000. 00	1, 292. 90	5, 292. 90		\$1, 340. 00	6, 632. 90
Grantham*						
Gold Dust*						
Grand View*						
Golden Leaf †						
Gladstone*						
Gilman		514. 58	514. 58	415. 48		930. 06
Griffith*						
Gilpin*						
G. A. Dunkin		25, 858. 58	25, 858. 58	442. 00		26, 300. 58
Globe*						
Gold Bug*						
Gold and Silver Coin*						
Humboldt	3, 000. 00	6, 464. 64	9, 464. 64			9, 464. 64
Hood	4, 000. 00	1, 292. 92	5, 292. 92		1, 005. 00	6, 297. 92
Head Light	1, 000. 00	200. 00	1, 200. 00			1, 200. 00

* No production during 1888.

† No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Clear Creek County—Continued.</i>						
Hidden Treasure.....	\$800. 00	\$300. 00	\$1, 100. 00	.....	.....	\$1, 100. 00
Hukill* .....	.....	.....	.....	.....	.....	.....
Invincible* .....	.....	.....	.....	.....	.....	.....
Inter-Ocean.....	600. 00	85. 85	685. 85	.....	.....	685. 85
Independence.....	.....	38, 787. 87	38, 787. 87	.....	.....	38, 787. 87
Jos. A. Horne*.....	.....	.....	.....	.....	.....	.....
Junction and Gallic Group .....	.....	2, 586. 00	2, 586. 00	\$88. 40	.....	2, 674. 40
Johnson	400. 00	6, 464. 64	6, 864. 64	.....	.....	6, 864. 64
Joe Reynolds	1, 834. 00	165, 895. 75	167, 729. 75	8, 574. 80	.....	176, 304. 55
J. W. Gonley*.....	.....	.....	.....	.....	.....	.....
Kangaroo.....	1, 800. 00	23, 272. 72	25, 072. 72	397. 80	.....	25, 470. 52
Kangaroo No. 2	2, 000. 00	4, 350. 00	6, 350. 00	500. 00	.....	6, 850. 00
Kelly* .....	.....	.....	.....	.....	.....	.....
Kitty Clyde.....	450. 00	678. 77	1, 128. 77	264. 00	.....	1, 392. 77
Kirtley .....	.....	4, 878. 27	4, 878. 27	.....	.....	4, 878. 27
Larmartine	3, 773. 00	36, 185. 59	39, 958. 59	8, 145. 28	.....	48, 103. 87
Lexington	2, 400. 00	1, 294. 94	3, 694. 94	.....	\$301. 50	3, 996. 44
Little Emma* .....	.....	.....	.....	.....	.....	.....
Little Mattie† .....	.....	.....	.....	.....	.....	.....
Little Casino	2, 775. 00	6, 168. 56	8, 943. 56	177. 60	.....	9, 121. 16
Lake	480. 00	6, 757. 57	7, 237. 57	1, 326. 00	1, 507. 00	10, 070. 57
Lebanon Tunnel* .....	.....	.....	.....	.....	.....	.....
Louisa* .....	.....	.....	.....	.....	.....	.....
Little Jack .....	.....	3, 232. 32	3, 232. 32	221. 00	.....	3, 453. 32
Little Giant	500. 00	5, 171. 71	5, 671. 71	530. 40	.....	6, 202. 11
Lawson* .....	.....	.....	.....	.....	.....	.....
Lucy Group* .....	.....	.....	.....	.....	.....	.....
Mascot	64. 00	248. 24	312. 24	353. 60	.....	665. 84
May Flower	7, 601. 60	22, 910. 70	30, 512. 30	7, 867. 60	.....	38, 379. 90
Molly Bawn* .....	.....	.....	.....	.....	.....	.....
Morgan* .....	.....	.....	.....	.....	.....	.....
Miller* .....	.....	.....	.....	.....	.....	.....
Metropolitan	4, 000. 00	8, 597. 97	12, 597. 97	.....	.....	12, 597. 97
Matilda Fletcher .....	.....	1, 939. 39	1, 939. 39	.....	.....	1, 939. 39
Moline* .....	.....	.....	.....	.....	.....	.....
Mendota.....	604. 80	21, 991. 43	22, 596. 23	14, 144. 00	.....	36, 740. 23
Mamie* .....	.....	.....	.....	.....	.....	.....
Murray* .....	.....	.....	.....	.....	.....	.....
Mansfield M. & M. Co.* .....	.....	.....	.....	.....	.....	.....
Mono* .....	.....	.....	.....	.....	.....	.....
Mint* .....	.....	.....	.....	.....	.....	.....
Mammoth .....	.....	1, 810. 10	1, 810. 10	.....	.....	1, 810. 10
McClellan	200. 00	32, 237. 90	32, 437. 90	503. 80	.....	32, 941. 70
Nabob .....	.....	1, 939. 39	1, 939. 39	61. 88	.....	2, 001. 27
Norman* .....	.....	.....	.....	.....	.....	.....
Night Hawk* .....	.....	.....	.....	.....	.....	.....
Native American.....	100. 00	6, 464. 64	6, 564. 64	3, 491. 80	.....	10, 056. 44

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Clear Creek County—Continued.</i>						
Oneida Mining Co	\$54, 145. 40	\$26, 530. 90	\$80, 676. 30	.....	\$14, 505. 50	\$95, 181. 80
Ohio*						
O. K. *						
Orient		10, 343. 43	10, 343. 43	\$353. 60	.....	10, 697. 03
Patten	251. 20	347. 79	598. 99	212. 16	.....	811. 15
Park*						
Pay Rock†						
Pelican Dives		28, 749. 49	28, 749. 49	1, 149. 20	.....	29, 898. 69
Polar Extension *						
Puritan Gold and Silver Mining Co.*						
Plutus	52, 386. 44	68, 499. 37	120, 885. 81	.....	6, 148. 62	127, 034. 43
Pioncert						
Pulaski*						
Paymaster	374. 00	6, 593. 93	6, 967. 93	8, 221. 20	.....	15, 189. 13
Pauline Placert						
Quito	2, 239. 60	21. 97	2, 261. 57	.....	.....	2, 261. 57
Royal Oak*						
Refugee	6, 060. 60		6, 060. 60	.....	.....	6, 060. 60
Red Elephant		5, 496. 23	5, 496. 23	618. 80	.....	6, 115. 03
Seven-Twenty*						
Silver City	1, 973. 33	26. 67	2, 000. 00	.....	.....	2, 000. 00
Silver Age M. & M. Co.	10, 646. 00	55, 138. 31	65, 784. 31	14, 168. 60	.....	79, 952. 31
South American*						
Standard*						
Santa Fé	1, 800. 00	4, 266. 66	6, 066. 66	795. 60	.....	6, 862. 26
Sweet Home	2, 424. 00	.....	2, 424. 00	.....	.....	2, 424. 00
Solid Muldoon*						
Specie Payment	6, 109. 20	241. 78	6, 350. 98	.....	.....	6, 350. 98
Seaton (385)*						
Sporting Times*						
Seven-Thirty	400. 00	200, 404. 03	200 804. 03	39, 161. 20	.....	239, 965. 23
Stevens	1, 900. 00	34, 909. 09	36, 809. 09	39, 780. 00	.....	76, 589. 09
Shafter Mining Co.	18, 181. 80	.....	18, 181. 80	.....	.....	18, 181. 80
Senator*						
Shively*						
Sulphide and Phosphate*						
Silver Queen	1, 000. 00	19, 393. 93	20, 393. 93	176. 80	.....	20, 570. 73
Silver Cloud		5, 677. 24	5, 677. 24	751. 40	.....	6, 428. 64
Saint Peter*						
Silver Glance*						
Silver Ring	300. 00	1, 810. 10	2, 110. 10	265. 20	.....	2, 375. 30
Tinte*						
Tropic	2, 250. 00	13, 575. 75	15, 825. 75	1, 414. 40	.....	17, 240. 15
Tunnel Lode No. 2.	5, 517. 60	8, 883. 71	14, 401. 31	751. 40	.....	15, 152. 71
Tiger*						
Turbet	300. 00	25. 86	325. 86	.....	.....	325. 86

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Clear Creek County—Continued.</i>						
Twin Sisters*.....						
Thismoingo.....	\$37.00	\$1,475.22	\$1,512.22	\$707.20		\$2,219.42
Terrible*.....						
Tabor.....	50.00	6,464.50	6,514.50	440.00		6,954.50
U. P. R.....	400.00		400.00			400.00
Vice-President.....		2,328.55	2,328.55	2,917.20		5,245.75
Victor*.....						
Virginia*.....						
Virginia City.....	85.00	2,125.56	2,210.56	265.20		2,475.76
Vulcan*.....						
Wallace*.....						
Whecling*.....						
Windsor.....	780.00	23.27	803.27			803.27
Windsor Castle.....	2,000.00	1,551.51	3,551.51	176.80		3,728.31
Washington.....	300.00	15,514.80	15,814.80	1,056.00		16,870.80
Young American*.....						
Total of confidential reports.....	48,105.00	237,873.71	285,978.71	13,436.80		299,415.51
Total production during 1888....	419,820.80	1,896,517.67	2,316,338.47	205,242.36	\$28,673.02	2,550,253.85
<i>Chaffee County.</i>						
Alaska*.....						
B. B.....	240.00		240.00			240.00
Baraconta*.....						
Black Tiger.....		122.83	122.83	176.00		298.83
Brunswick Mining Co.*.....						
Climax, Springfield and Mayflower.....	360.00	775.74	1,135.74		1,005.00	2,140.74
Contact*.....						
Charin.....		1,810.06	1,810.06	616.00		2,426.06
Cæsus and Robert Wilson†.....						
Caledonia*.....						
D. A. Mason†.....						
Desdemona.....	100.00	452.52	552.52	176.00		728.52
Eclipse.....		69,816.00	69,816.00	63,200.00		133,016.00
Eureka*.....						
Enterprise.....	1,000.00		1,000.00			1,000.00
Emma Stradley*.....						
Fortune*.....						
Fredonia*.....						
Free Gold.....	840.00		840.00			840.00
Gladstone.....		15.59	15.59	374.00		389.59
Gulch.....	300.00	1,574.75	1,874.75			1,874.75
Goldfield*.....						
Hopo.....	100.00		100.00			100.00
Isis.....		1,909.05	1,909.05			1,909.05

* No production during 1888.

† No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Custer County—Continued.</i>						
Hudson Mining Co. *						
Humboldt*						
Immortal*						
Julianna Mining Co. *						
Leavenworth		\$1, 623. 88	\$1, 623. 88			\$1, 623. 88
Leviathan*						
Little Nellie†						
Lady Franklin*						
Matchless		1, 396. 35	1, 396. 35	\$1, 414. 40		2, 810. 75
Maverick*						
Minnie*						
Mountain View*						
Midnight*						
Polonia*						
Pioneer	\$120. 00	2, 700. 00	2, 820. 00			2, 820. 00
Powhatan*						
Plymouth*						
Pocahontas†						
Ruby Chief*						
Red Creek Spring Mining Co. *						
Robt. E. Lee†						
Security Mining Co. *						
Twenty-six *						
Terrible				261, 664. 00		261, 664. 00
Vanderbilt*						
Victoria*						
Virginia*						
Total production during 1888	120. 00	5, 720. 23	5, 840. 23	263, 078. 40		268, 918. 63
<i>Dolores County.</i>						
Baneroft*						
Blackhawk *						
Black Diamond*						
Cobbler	120. 00	5, 818. 05	5, 938. 05			5, 938. 05
C. H. C. *						
Enterprise	9, 000. 00	135, 754. 50	144, 754. 50	2, 640. 00		147, 394. 50
Ethlena*						
Johnny Bull*						
Little Susie*						
Maggie*						
Magpie*						
Nebraska*						
Princeton	480. 00	10, 860. 36	11, 340. 36	2, 640. 00		13, 980. 36
Polar*						
Puzzle Extension		2, 113. 89	2, 113. 89			2, 113. 89
Swansea Gold and Silver Mining Co.	7, 869. 60	50, 025. 14	57, 894. 74			57, 894. 74

* No production during 1888.

† No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Dolores County—Continued.</i>						
Silver Pick*						
Sunlight*						
Santa Clara Mining Co.*						
Silvernado Cu. M. Co.*						
Uncle Remus*						
Total production during 1888	\$17,469.60	\$204,571.94	\$222,041.54	\$5,280.00		\$227,321.54
<i>Eagle County.</i>						
Alligator	583.40	234.01	817.41			817.41
Alps*						
Alleghany*						
Bleak House		88,004.52	88,004.52	7,779.20		95,783.72
Ben Butler*						
Black Iron	1,800.00	1,200.00	3,000.00			3,000.00
Black Tiger	850.00	1,626.00	2,476.00		\$2,164.10	4,640.10
Bodie		1,067.94	1,067.94	88.00		1,155.94
Belden†						
Buena Vista		228.84	228.84	44.88		273.72
Cross Creek M. and M. Co.†						
Clinton Group†						
Crown Point and Senator†						
Champion	22,500.00	22,500.00	45,000.00			45,000.00
Combined Discovery*						
Cora		258.58	258.58			258.58
Eighty-Four*						
Eureka and Eclipse	1,720.00	8,216.38	9,936.38			9,936.38
Eagle Bird and Silver Wave†						
E. R. Y	1,150.00	237.89	1,387.89			1,387.89
Emma L*						
First National		258.58	258.58			258.58
First Chance*						
Ground Hog Consolidated M. and M. Co	18,750.00	6,250.00	25,000.00			25,000.00
Golden Comet	4,041.00	1,866.24	5,907.24			5,907.24
Golden Wonder†						
Gold Park Mining Co*						
Henrietta*						
Horn Silver		5,171.60	5,171.60			5,171.60
Highland Mary		387.87	387.87	352.00		739.87
Iron Mask Group†						
J. Best*						
Little Chief*						
Larimer*						
Last Chance	640.00	290.90	930.90			930.90

* No production during 1888.

† Confidential report.

‡ No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Eagle County—Continued.</i>						
Monte Christo	\$900.00	\$1,338.50	\$2,238.50	.....	.....	\$2,238.50
Pacific.....	1,080.00	956.75	2,036.75	\$149.60	.....	2,186.35
Potion*.....	.....	.....	.....	.....	.....	.....
Percy Chester*.....	.....	.....	.....	.....	.....	.....
Polar and Accidental ..	24,338.00	45,446.99	69,784.99	.....	.....	69,784.99
Pine Martin Group† ..	.....	.....	.....	.....	.....	.....
Rocky Point‡.....	.....	.....	.....	.....	.....	.....
Raymond*.....	.....	.....	.....	.....	.....	.....
Star of the West	390.00	161.61	551.61	.....	.....	551.61
Scorpion.....	.....	1,446.76	1,446.76	330.00	.....	1,776.76
Senator*.....	.....	.....	.....	.....	.....	.....
Sylph.....	.....	861.07	861.07	48.40	.....	909.47
T. V. Powderly*.....	.....	.....	.....	.....	.....	.....
Tip Top*.....	.....	.....	.....	.....	.....	.....
T. C. Garbut .....	.....	5,818.05	5,818.05	19,800.00	.....	25,618.05
Warrior's Mark	7,000.00	452.52	7,452.52	.....	.....	7,452.52
Water Nymph .....	.....	74.99	74.99	158.40	.....	233.39
Confidential reports ...	56,260.00	125,239.63	181,499.63	100,579.60	.....	282,079.23
Total production during 1888	142,002.40	319,596.22	461,598.62	129,330.08	\$2,164.10	593,092.80
<i>Gilpin County.</i>						
Alps.....	6,500.00	565.00	7,065.00	.....	.....	7,065.00
Adnddel.....	15,426.00	34,349.25	49,775.25	1,502.80	.....	51,278.05
Burroughs.....	25,290.00	226.07	25,426.07	.....	804.00	26,230.07
Adelaino*.....	.....	.....	.....	.....	.....	.....
Banta.....	3,340.00	10,343.20	13,683.20	17,600.00	.....	31,283.20
Bullion Mines*.....	.....	.....	.....	.....	.....	.....
Black Hawk Placer*.....	.....	.....	.....	.....	.....	.....
Barker†.....	.....	.....	.....	.....	.....	.....
Boss*.....	.....	.....	.....	.....	.....	.....
Bates*.....	.....	.....	.....	.....	.....	.....
Buffalo and Central Mining Co.*.....	.....	.....	.....	.....	.....	.....
Belmont Mining Co....	33,000.80	13,946.83	46,947.63	.....	5,494.00	52,441.63
Carr	9,700.00	1,034.34	10,734.34	.....	1,038.50	11,772.84
Colorado*.....	.....	.....	.....	.....	.....	.....
Columbia Property*.....	.....	.....	.....	.....	.....	.....
Cyclops.....	.....	15,514.80	15,514.80	.....	.....	15,514.80
Cooper*.....	.....	.....	.....	.....	.....	.....
Collon	4,800.00	323.23	5,123.23	.....	.....	5,123.23
Dasey Mining Co.†.....	.....	.....	.....	.....	.....	.....
Deadwood Placer Mining Co.*.....	.....	.....	.....	.....	.....	.....
Denver Gold Co. (limited)	13,020.00	1,956.19	14,976.19	.....	.....	14,976.19
Egyptian	62,850.00	13,769.69	76,619.69	.....	9,648.80	86,268.49
Enterprise*.....	.....	.....	.....	.....	.....	.....

* No production during 1888.

† Confidential report.

‡ No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Gilpin County—Continued.</i>						
Fontenac Mining Co...	\$5,680.00	\$11,013.16	\$16,693.16	\$5,127.20	.....	\$21,820.36
Fisk	77,701.00	8,517.52	86,218.52	.....	.....	86,218.52
Free American	1,300.00	38.79	1,338.79	.....	.....	1,338.79
Fanny .....	.....	3,290.49	3,290.49	.....	.....	3,290.49
Flock	8,765.00	780.94	9,545.94	.....	\$282.07	9,828.01
Foot and Symonds*	.....	.....	.....	.....	.....	.....
Fourth of July*	.....	.....	.....	.....	.....	.....
Freiburg Gold and Silver Mining Co.*	.....	.....	.....	.....	.....	.....
Gibson*	.....	.....	.....	.....	.....	.....
Gettysburg	2,151.02	33.50	2,184.52	.....	.....	2,184.52
Gregory Bobtail	281,100.00	16,808.08	297,908.08	.....	.....	297,908.08
Gunnell	225,580.00	23,143.49	258,723.49	.....	.....	258,723.49
Gardner*	.....	.....	.....	.....	.....	.....
Garden	15,700.00	9,050.50	24,750.50	.....	3,350.00	28,100.50
Grover Cleveland*	.....	.....	.....	.....	.....	.....
German Consolidated Mining Co.*	.....	.....	.....	.....	.....	.....
Hill's Gold and Silver Mining Co.*	.....	.....	.....	.....	.....	.....
Hawkeye M. & T. Co.*	.....	.....	.....	.....	.....	.....
Hubert	111,695.66	.....	111,695.66	.....	.....	111,695.66
Homer*	.....	.....	.....	.....	.....	.....
Hillhouse*	.....	.....	.....	.....	.....	.....
Hyndman-Burroughs*	.....	.....	.....	.....	.....	.....
Ivanhoe	5,860.00	11,364.84	17,224.84	23,411.08	.....	40,635.92
Iowa*	.....	.....	.....	.....	.....	.....
Jefferson*	.....	.....	.....	.....	.....	.....
King*	.....	.....	.....	.....	.....	.....
Kent County Gold Mining Co.*	.....	.....	.....	.....	.....	.....
Lost Nevada*	.....	.....	.....	.....	.....	.....
Little Annie	4,740.00	484.85	5,224.85	.....	.....	5,224.85
Manhattan	10,160.00	311.59	10,471.59	.....	.....	10,471.59
Mascot*	.....	.....	.....	.....	.....	.....
Mammoth*	.....	.....	.....	.....	.....	.....
Mint .....	.....	32,323.23	32,323.23	88.40	.....	32,411.63
McAllister	3,700.00	651.64	4,351.64	.....	.....	4,351.64
Mary Miller .....	.....	10,353.20	10,353.20	.....	.....	10,353.20
Mountain Lion*	.....	.....	.....	.....	.....	.....
Mountain City Mining Co.	4,396.60	453.82	4,850.42	.....	.....	4,850.42
Newfoundland*	.....	.....	.....	.....	.....	.....
New California	95,920.00	12,382.38	108,302.38	.....	.....	108,302.38
Pyrenees*	.....	.....	.....	.....	.....	.....
Post-hole*	.....	.....	.....	.....	.....	.....
Prize Consolidated M. and M. Co.	800.00	129.29	929.29	.....	.....	929.29

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Gilpin County—Continued.</i>						
Pearly Hill Group*						
Republic	\$34,000.00	\$1,292.92	\$35,292.92			\$35,292.92
Rollins Mining Co	8,400.00	775.75	9,175.75			9,175.75
Rhoderick Dhm*						
Running Lode	5,866.40	7,670.94	13,537.34	\$2,351.44		15,888.78
Saratoga Mining Co	100,800.00	11,424.32	112,224.32			112,224.32
Silver Dollar*						
Silver Blende	24.00	8,533.33	8,557.33	445.54		9,002.87
San Juan	1,943.00	841.70	2,784.70			2,784.70
St. Louis*						
Surprise	984.00	81.45	1,065.45			1,065.45
Searle	2,250.00	4,848.48	7,098.48		\$663.00	7,761.48
Success*						
Topeka	23,888.00	1,093.82	24,981.82			24,981.82
Toronto*						
Ute*						
West Leavenworth†						
Winnebago Mining Co.	17,353.40	1,004.61	18,358.01			18,358.01
Widow Woman	320.00	2,792.72	3,112.72	19,801.60		22,914.32
Vanderbilt	2,640.88	37.49	2,678.37			2,678.37
Confidential reports	23,200.00	4,447.67	27,647.67			27,647.67
Total production during 1888	1,250,755.76	288,005.11	1,538,760.87	70,328.06	21,280.37	1,630,369.30
<i>Gunnison County.</i>						
Augusta	700.00	6,787.73	7,487.73	739.20		8,226.93
Anna Dedreka*						
Anne Hudson*						
Bullion King	60.00	7,757.40	7,817.40			7,817.40
Black Queen	60.00	3,878.70	3,938.70			3,938.70
Belle of Titusville*						
Big Bonanza*						
Big Comet*						
Blaine*						
Crested Butte†						
Chicago*						
Chautauqua Group*						
Crown		969.68	969.68	2,640.00		3,609.68
Cumberland*						
Chronicle†						
Denver City	40.00	1,939.35	1,979.35	352.00		2,331.35
Daisy		4,654.44	4,654.44	7,920.00		12,574.44
Domingo*						
Doctor*						
Excelsior*						
Eureka		129.29	129.29	484.00		613.29
Enreka Nest Egg		18,100.60	18,100.60	28,952.00		47,052.60
Eureka (Treasury Mountain)		1,292.92	1,292.92	176.80	335.00	1,804.72

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Gunnison County—Continued.</i>						
El Dorado*						
Emma*						
El Capitan*						
Fairview		\$1, 292. 90	\$1, 292. 90	\$44. 00		\$1, 336. 90
Forest Queen*						
Gold Cup*						
Grey Copper*						
Golden City*						
Gold Belt*						
Hard Cash		646. 45	646. 45	220. 00		866. 45
Homestake*						
Iron Placer*						
Jimmy Mack†						
Keystone		258. 58	258. 58	484. 60		742. 58
Lilly*						
Lewiston*						
Legal Tender*						
Little Crown*						
Little Giant Placer*						
May, Contact, Mazeppa Mining Co	\$300. 00	11, 636. 10	11, 936. 10	2, 640. 00		14, 576. 10
Manitou and Sheol*						
Morning Glim	200. 00	3, 232. 25	3, 432. 25	440. 00		3, 872. 25
Michigan and Colorado Mining Co. *						
Midnight*						
Mountain Boy*						
Minstrel Boy*						
Monte Vista	80. 00	1, 292. 90	1, 372. 90	1, 540. 00		2, 912. 90
Napoleon Mining Co. ...	4, 071. 65		4, 071. 65	1, 521. 68		5, 593. 33
North Star*						
Oracle*						
Old Dan Joe*						
Old Lot*						
Payroll*						
Robert E. Lee		3, 878. 70	3, 878. 70	3, 960. 00		7, 838. 70
Rochester*						
Ruby Chief*						
Sylvanite		19, 393. 93	19, 393. 93			19, 393. 93
Sacramento	7, 000. 00	9, 050. 30	16, 050. 30	1, 540. 00		17, 590. 30
Silent Friend (Pitkin) ..		1, 131. 29	1, 131. 29	880. 00		2, 011. 29
Silent Friend		67. 23	67. 23	677. 60		744. 83
Silver Queen*						
Silver Cup*						
Silver Islet†						
Silver Bell*						
Twilight*						
Tenderfoot Placer*						

* No production during 1888.

† No report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Gunnison County—Continued.</i>						
Terrible*						
Trevalyn*						
Tin Cup*						
Union Park Placer Mining Co.*						
Volunteer	\$4,500.00	\$1,939.35	\$6,439.35			\$6,439.35
Virginia*						
Webb Mines*						
Confidential reports ...	1,630.00	49.19	1,679.19			1,679.19
Total production during 1888	18,641.65	99,379.28	118,020.93	\$55,211.28	\$335.00	173,567.21
<i>Hinsdale County.</i>						
Argentine Falls Silver Mining Co.*						
Alpha and \Diamond *						
Belle of the West*						
Big Casino*						
Bonanza King*						
Capitol City	147.00	1,424.13	1,571.13	4,689.52		6,260.65
Dawn of Hope*						
Frank Hough*						
Fair View*						
Gold Quartz*						
Golden Fleece*						
Henson Creek Reduction Co.*						
Hannibal		1,577.34	1,577.34	445.28		2,022.62
Hamilton*						
Independence*						
John Hough*						
Lightning Striker*						
Little Casino*						
Myrtle Queen*						
Newport*						
Nellie M*						
Ocean Wave*						
Pentarch*						
Polar Star*						
Pearl*						
Red Rover*						
Scotia*						
Ulay	2,500.00	84,038.50	86,538.50	52,800.00		139,338.50
Vermont		54,948.25	54,948.25	7,700.00		62,648.25
Vulcan*						
Yellow Medicine	20.00	470.62	490.62	172.48	304.85	967.95
Total production during 1888	2,667.00	142,458.84	145,125.84	65,807.28	304.85	211,237.97

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Lake County—Continued.</i>						
Black Cloud	\$1,500.00	\$3,878.70	\$5,378.70	\$6,600.00	.....	\$11,978.70
Big Chief		646.46	646.46	1,768.00	.....	2,414.46
Breece Mining Co.*						
Beecher and Custer*						
Belle of the West*						
Castle View*						
Crysolite		127,350.00	127,350.00	15,840.00	.....	143,190.00
Col. Sellers		634,950.95	634,950.95	285,648.00	.....	920,598.95
Catalpa		38,224.23	38,224.23	5,304.00	.....	43,528.23
Clear Grit	40.00	3,393.93	3,433.93	638.80	.....	4,072.73
Cora Belle Mining Co.*						
Cyclops*						
Continental Chief		504,242.42	504,242.42	57,460.00	.....	561,702.42
Cleveland Mining Co	4,500.00	3,555.48	8,055.48	4,840.00	.....	12,895.48
Compromise Mining Co.		174,774.22	174,774.22		.....	174,774.22
Crescent		5,908.67	5,908.67	486.00	.....	6,394.67
Daisy Mining Co.*						
Defiance	20.00	969.68	989.68		.....	989.68
Davis		19,393.93	19,393.93		.....	19,393.93
Denver City Mining Co.*		146,450.66	146,450.66		.....	146,450.66
Dunkin Mining Co		449,939.39	449,939.39	23,868.00	.....	473,807.39
Dinero Mining Co	1,000.00	60,934.45	61,934.45		.....	61,934.45
Experiment*						
Eliza*						
Evening Star		122,404.54	122,404.54	972.40	.....	123,376.94
East 6th Street Shaft*						
Excelsior*						
Emmet		62,060.60	62,060.60	13,260.00	.....	75,320.60
Enterprise*						
Frye Hill Mining Co.*						
Flag-Staff	44,000.00	96,969.69	140,969.69	8,840.00	.....	149,809.69
Forepaugh		6,141.41	6,141.41		.....	6,141.41
Forest Rose*						
Fortuna	600.00	3,878.78	4,478.78	1,591.20	.....	6,069.98
Frenchman*						
Gunnison*						
Florence*						
Griffin	1,000.00	12,929.29	13,929.29		.....	13,929.29
Great O'Sullivan*						
Great Hopes Mining Co.*						
G. M. Favorite*						
Garibaldi*						
Golden Curry*						
Gertrude	250.00	32,322.50	32,572.50		.....	32,572.50
Highland Mary*						
Humboldt Mining Co.		29,866.66	29,866.66	442.00	.....	30,308.66
Hard Cash*						

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Lake County—Continued.</i>						
Harvard*						
Helena Mining Co.	\$400. 00	\$6, 464. 64	\$6, 864. 64	\$6, 188. 00		\$13, 052. 64
Henrietta and Maid of Erin Consolidated Co		407, 272. 72	407, 272. 72	1, 697, 280. 00		2, 104, 552. 72
Iowa Gulch*						
Iroquois Mining Co.* ..						
Ideal*						
Iron Silver Mining Co.	10, 000. 00	1, 422, 190. 00	1, 432, 190. 00	29, 172. 00		1, 461, 362. 00
Imes and Iron Hill Consolidated Co.*						
Jay Eyo Seo*						
Jay Bird*						
Keystono	200. 00	2, 585. 80	2, 785. 80			2, 785. 80
Little Alice Combination*						
Little Johnnie*						
Louisville and Colorado, No. 2	24, 000. 00	323, 225. 00	347, 225. 00	132, 000. 00		479, 225. 00
Little Pittsburgh		23, 272. 72	23, 272. 72			23, 272. 72
La Plata		34, 773. 73	34, 773. 73	31, 735. 60		66, 509. 33
Leadville Consolidated Mining Co.	60, 000. 00	46, 545. 45	106, 545. 45	106, 080. 00		212, 625. 45
Little Chief Mining Co.		15, 036. 76	15, 036. 76	1, 237. 60		16, 274. 36
Little Silver Mining Co.*						
Lee Basin Mining Co.		455, 404. 63	455, 404. 63			455, 404. 63
Lillian Mining Co.	36, 580. 00	22, 983. 10	59, 563. 10	43, 581. 20		103, 144. 30
Lucy L.*						
Little Ellen	3, 308. 00	2, 003. 17	5, 317. 17	3, 520. 00		8, 837. 17
Long and Derry		1, 000. 00	1, 000. 00			1, 000. 00
Litler Consolidated Mining Co.*						
Aztec Mining Co.*						
Crown Point Pinnacle* ..						
Cora Bell*						
Highland Chief*						
Tip Top†						
Saint Louis*						
Moffat Shaft*						
Miami	1, 500. 00	11, 636. 36	13, 136. 36			13, 136. 36
Mikado Mining Co.	11, 000. 00	428, 606. 05	439, 606. 05	67, 626. 00		507, 232. 05
Meyer Mining Co.*						
Mansfield Mining Co.* ..						
Miko and Star		4, 598. 94	4, 598. 94		\$1, 394. 07	5, 993. 01
Matchless		252, 031. 31	252, 031. 31	8, 265. 40		260, 296. 71
Morning Star		106, 705. 45	106, 705. 45	221, 530. 40		328, 235. 85
Maria Louise*						

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Lake County—Continued.</i>						
Houghton Combination*						
New Tiger*						
New Pittsburg		\$9,671.11	\$9,671.11	\$8,132.80		\$17,803.91
New Discovery	\$4,000.00	36,202.02	40,202.02	264.00		40,466.02
New Year*						
Nisi Prius Consolidated Mining Co.		206,868.68	206,868.68	88,400.00		295,268.68
Olathe Silver Mining Co.*						
O. K.*						
Opulent*						
Only Chance*						
Oro City*						
Printer Boy*						
President	24,500.00	81,713.12	106,213.12			106,213.12
Pocahontas*						
Quartette*						
R. E. Lee Mining Co.		62,060.60	62,060.60			62,060.60
Ruby*						
Red Hook	200.00	2,585.85	2,785.85			2,785.85
Silver Cord†						
St. Kevin	6,000.00	106,664.25	112,664.25			112,664.25
Small Hopes†						
Satellite*						
Sierra Nevada*						
Star of the West and Garden City Consolidated		161,580.18	161,580.18	56,936.00		218,516.18
Sullivan*						
Snow Drop	3,300.00		3,300.00			3,300.00
Snuggler		23,272.72	23,272.72	53,046.00		76,312.72
Sequin		6,787.87	6,787.87	13,260.00		20,047.87
Treasury Vault*						
Tiger and Shields	5,200.00	110,545.44	115,745.44			115,745.44
Terrible*						
Venturo	1,200.00	23,207.56	24,407.56			24,407.56
Venus and Hermes	6,000.00	161,616.16	167,616.16	39,780.00		207,396.16
Vernes*						
Vanderbilt*						
Virginus		8,574.70	8,574.70	265.20		8,839.90
Wilkes Barre No. 2		3,878.70	3,878.70			3,878.70
Wolcott Mining Co.*						
Weldon*						
Wiles*						
William Wallace		5,171.71	5,171.71	13,260.00		18,431.71
Ward Consolidated Mining Co.		1,616.15	1,616.15			1,616.15

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Lake County—Continued.</i>						
Yankee Doodle		\$27, 772. 12	\$27, 772. 12	\$1, 768. 00		\$29, 540. 12
Confidential reports ...	\$22, 020. 00	548, 774. 52	570, 794. 52	158, 112. 86		728, 907. 38
Total production during 1888	310, 890. 84	9, 061, 589. 37	9, 372, 480. 21	4, 004, 065. 86	\$1, 394. 07	13, 377, 940. 14
<i>Montrose County.</i>						
United States Gold Placers	12, 000. 00		12, 000. 00			12, 000. 00
<i>Ouray County.</i>						
Alaska*						
Alabama*						
Alexandria	2, 000. 00	775. 74	2, 775. 74	4, 136. 00		6, 911. 74
American	1, 000. 00		1, 000. 00			1, 000. 00
American Girl	480. 00	4, 137. 28	4, 617. 28	2, 112. 00		6, 729. 28
Amador*						
Bonanza	16. 00	1, 509. 07	1, 525. 07		460. 63	1, 985. 70
Black Girl*						
Black Lightning*						
Bonnell*						
Brookline Group*						
Belle of the West	468. 00	7, 260. 93	7, 728. 93			7, 728. 93
Belcher*						
Blackbird*						
Candice*						
Carbonate King	474. 40	11, 501. 57	11, 975. 97	3, 138. 20		15, 114. 17
Charter Oak*						
Calliope	2, 240. 00	107, 012. 04	109, 252. 04	6, 487. 80		115, 739. 84
Copper King*						
Carbonate Queen*						
Congress*						
Capitol*						
Dutch Bog*						
Dutton*						
El Mahdi Group	828. 60	11, 858. 76	12, 687. 36			12, 687. 36
Enterprise*						
Forest*						
Gray Eagle*						
Gertie & Raven*						
Grand Prize*						
Gustin	1, 240. 00	120, 239. 70	121, 479. 70		8, 308. 00	129, 787. 70
Galena Lion*						
Genessee*						
Humboldt	320. 00	18, 100. 60	18, 420. 60	140. 80		18, 561. 40
Iron Chest*						
J. V. Dexter*						
Lost Mine*						
Little Mollie*						

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Ouray County—Continued.</i>						
Little Annie*						
Lake (Red Mt.)*						
Lookout*						
Leadville*						
Micky Breen†						
Monongahela*						
Monarch		\$20,960.96	\$20,960.96	\$9,547.20		\$30,508.16
Mineral Farm*						
Miser's Dream*						
Mand S	\$1,998.00	4,303.44	6,301.44			6,301.44
Ophir*						
Old Lout*						
Old Kentuck*						
Pleasant View	100.00	775.74	875.74			875.74
Pony Express	62.00	3,801.13	3,863.13			3,863.13
Portland*						
Paymaster	40.00	646.45	686.45	528.00		1,214.45
Poughkeepsie	180.00	1,629.05	1,809.05		\$871.00	2,680.05
Queen of Ouray*						
Ruby Trust†						
Rose Group*						
Rock of Ages*						
Saxon	12.83	2,533.46	2,546.34			2,546.34
Sidney Group	511.76	27,127.83	27,639.59	5,178.80		32,818.39
Silver Bell		72,404.04	72,404.04			72,404.04
Saratoga	3,600.00	93,088.80	96,688.80	4,224.00		100,912.80
Savage and Black Bird†						
Scotchman		1,013.68	1,013.68			1,013.68
Slide Lode	9.52	1,317.72	1,327.24	24.90		1,352.14
St. Lawrence*						
Silver Link		2,903.50	2,903.50		24,837.57	27,741.07
Trout and Fisherman	8.00	1,034.32	1,042.32			1,042.32
Terrible		219,006.77	219,006.77	56,187.65		275,194.42
Treasure Trove*						
U. S. Depository	542.40	25,789.17	26,331.57	2,386.56		28,718.13
Virginus		376,996.71	376,996.71	44,708.00		421,704.71
Vanderbilt	2,961.00	30,626.22	33,587.22	39,085.20		72,672.42
Wheel of Fortune†						
Woodstock	1,116.00	3,652.44	4,768.44			4,768.44
Yankee Girl	4,080.00	131,875.80	135,955.80		68,675.00	204,630.80
Yankee Boy Group*						
Total production during 1888	24,288.56	1,303,882.92	1,328,171.48	177,885.11	103,152.20	1,609,208.79
<i>Park County.</i>						
Atlantic Mining Co.	200.00	840.39	1,040.39			1,040.39
Alma Placer*						
Banning†						

* No production during 1888.

† No report received.

‡ Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.]	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Park County—Continued.</i>						
Bemrose Placer*.....						
Baltic.....	\$1,300.00	\$15,126.93	\$16,426.93			\$16,426.93
Bullion*.....						
Benedict†.....						
Badger Boy*.....						
Cannon*.....						
Black Bear*.....						
Centennial*.....						
C. W. Lowe's Placer.....	240.00		240.00			240.00
Champagne*.....						
Copper Bonanza*.....						
Clover*.....						
Dauser*.....						
Dolly Varden.....		16,234.05	16,234.05			16,234.05
Danville Group*.....						
Deadwood.....	40.00		40.00			40.00
Everlasting.....		2,844.08	2,844.08			2,844.08
Eli.....	2,260.00	11,636.10	13,896.10	\$3,982.00		17,878.10
Frisco*.....						
Forest Queen*.....						
Fairbury*.....						
Fairplay Placer.....	6,000.00		6,000.00			6,000.00
Gratlon <i>et al.</i> *.....						
Grand Prize*.....						
Great West*.....						
Gertrude*.....						
Good Samaritan*.....						
Guinea Pig*.....						
Giant Silver*.....						
Golden Mines*.....						
Great Eastern*.....						
Horseshoot.....						
Hoek Hoeking.....	1,200.00	3,981.87	5,181.87			5,181.87
Hill Top <i>et al.</i>		323,225.00	323,225.00	352,000.00		675,225.00
Hudson.....		1,450.63	1,450.63			1,450.63
John A. Logan*.....						
K. P. & U. P.*.....						
Key Stone.....		600.00	600.00			600.00
Leadville.....	680.00	1,939.35	2,619.35	1,056.00		3,675.35
Lucky Queen*.....						
Lone Star.....		2,000.00	2,000.00			2,000.00
Ling*.....						
Liebelt.....	600.00		600.00			600.00
Little Rose*.....						
Morse Mining Co.*.....						
Monte Vista*.....						
Mudsill Group*.....						
Mary Adair.....	800.00	2,896.10	3,696.10	1,760.00		5,456.10

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Park County—Continued.</i>						
New York		\$307,063.75	\$307,063.75		\$1,675.00	\$308,738.75
Nestor*						
Novazembla*						
Oxford*						
Olivor Twist	\$1,072.28	331.30	1,403.58			1,403.58
Only Chance Mining Co.	1,300.00	12,606.07	13,906.07	\$4,290.00		18,196.07
Pennsylvania Placer	137.00	930.80	1,067.80			1,067.80
Peerless Maud†						
Phillips Gold Mining Co	2,000.00	1,000.00	3,000.00			3,000.00
Palmer Group*						
Peerless		11,636.10	11,636.10	26,400.00		38,036.10
Peabody Placer	11,000.00		11,000.00			11,000.00
Pay Rock		1,422.19	1,422.19	1,100.00		2,522.19
Quail <i>et al.</i> *						
Russian*						
Roberts Placer	300.00		300.00			300.00
Rebecca*						
Silver Issue*						
Sweet Home*						
Shelby*						
Sacramento Mining Co.		6,000.00	6,000.00			6,000.00
Sherwood*						
Silver Gem*						
Sovereign Mining Co.*						
Threo Brothers*						
Wheeler	1,580.00		1,580.00			1,580.00
Wyandotte*						
Western Pass Mine*						
Ypsilanti		355.55	355.55	353.60	50.25	759.40
Zula Chief	100.00	100.00	200.00			200.00
Confidential reports	3,136.00	19,824.04	22,960.04	26,048.00		49,008.04
Total production during 1888	33,945.28	744,044.30	777,989.58	416,989.60	1,725.25	1,196,704.43
<i>Pitkin County.</i>						
Aspen		604,633.73	604,633.73	74,624.00		679,257.73
Aspen Compromise		1,322,934.46	1,322,934.46	156,808.67		1,479,743.13
Aspen Mining and Smelting Co		1,622,589.50	1,622,589.50	215,600.00		1,838,189.50
Bay State		7,016.57	7,016.57			7,016.57
Best Friend†						
Bonny Bell		142,219.00	142,219.00	2,765.84		144,984.84
Camp Bird		95,028.15	95,028.15			95,028.15
Celeste		35,748.68	35,748.68			35,748.68
Durant Mining Co.		678,772.50	678,772.50	65,120.00		743,892.50
Enterprise Mining Co		258,580.00	258,580.00	66,000.00		324,580.00
Franklin		549,482.50	549,482.50	37,400.00		586,882.50
Justice		27,797.35	27,797.35			27,797.35

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Pitkin County—Continued.</i>						
J. C. Johnson *						
La Salle		\$9,050.30	\$9,050.30	\$2,464.00		\$11,514.30
Last Dollar		165,426.55	165,426.55			165,426.55
Libbie Belle		84,684.95	84,684.95			84,684.95
Little Lottie		217,751.51	217,751.51	35,200.00		252,951.51
Little Nell		84,943.53	84,943.53			84,943.53
Little Percy		96,967.50	96,967.50			96,967.50
Little Rule		2,288.43	2,288.43			2,288.43
Monte Cristo		1,896.68	1,896.68	220.00		2,116.68
Petroleum		3,232.25	3,232.25	110.00		3,342.25
Princess Louise		27,441.80	27,441.80			27,441.80
Pringer Bros		20,136.92	20,136.92			20,136.92
Regent		695,179.40	695,179.40	76,032.00		771,211.40
Silver Bell		7,550.54	7,550.54			7,550.54
Silver Star		3,265.87	3,265.87			3,265.87
Smuggler		25,858.00	25,858.00	3,520.00		29,378.00
Sunset		12,463.55	12,463.55			12,463.55
Tam O'Shanter*						
Total of confidential reports		355,232.53	355,232.53	47,168.00		402,400.53
Sundry deposits at U. S. Mint	\$12,716.16	154.38	12,870.54			12,870.54
Total production during 1888	12,716.16	7,158,327.13	7,171,043.29	783,032.51		7,954,075.80
<i>Rio Grande County.</i>						
Aztec Mining Co	12,000.00	3,878.78	15,878.78			15,878.78
Esmond †						
Golconda*						
Globe†						
Iowa and Colorado Consolidated Mining Co.†						
Little Annie Gold Mining Co.*						
Wightman Gulch Placer	2,000.00		2,000.00			2,000.00
Rio Grand†						
San Juan Consolidated Gold Mining Co.†						
Sister Ida†						
Confidential reports	2,260.00	949.01	3,209.01			3,209.01
Total production during 1888	16,260.00	4,827.79	21,087.79			21,087.79
<i>Sagauche County.</i>						
Atlantici†						
Antorot†						
Arkansas†						

* Confidential report.

† No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Sagauche County—Continued.</i>						
Bonanza*						
Boss Mammoth*						
Buckhorn Mining Co.*						
Cresus*						
Coronet*						
Empress Josephine	\$1,500.00	\$11,636.10	\$13,136.10			\$13,136.10
Eagle*						
Emma	40.00	7,757.40	7,797.40	\$1,584.00		9,381.40
Hortense*						
Isabella*						
Legal Tender*						
Michigan		5,337.09	5,337.09	8,252.64		13,589.73
Othello*						
Paragon*						
Revenue*						
Sasthenis	2,500.00	29,080.25	31,580.25			31,580.25
Shawmut	80.00	2,585.80	2,665.80		\$1,340.00	4,005.80
St. Louis*						
Townsend*						
Spring Chicken and Little Ada*						
Yellow Type*						
Whale	100.00	3,233.25	3,333.25		1,507.50	4,840.75
Total production during 1888	4,220.00	59,629.89	63,849.89	9,836.64	2,847.50	76,534.03
<i>San Juan County.</i>						
Alletha	316.00	739.44	1,055.44	172.66		1,228.10
Atlas*						
Aristook*						
American Eagle*						
Aspen	441.80	12,694.99	13,136.79	8,287.31		21,424.10
Ajax*						
Blizzard*						
Bob Ingersoll*						
Buckeye†						
Bobdignag	2.86	83.79	86.65	34.32		120.97
Bandora*						
Black Lightning*						
Black Diamond	10,500.00	5,818.05	16,318.05	12,408.00		28,726.05
Bear*						
Chili*						
Caribou*						
Clinton*						
Columbia		3,397.48	3,397.48		757.10	4,154.58
Crown Jewel		775.74	775.74	211.20		986.94
Carbon Lake*						
Croquer*						

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>San Juan County—Continued.</i>						
Dives*						
Emma*						
Empire	\$6.00	\$158.16	\$164.16			\$164.16
Emerald	7.60	333.76	341.36	\$242.88		584.24
Enterprise <i>et al.</i> *						
Forest*						
Fearless*						
Frederica*						
Gray Eagle	200.00	5,171.60	5,371.60	1,892.00		7,263.60
Galena*						
Great Eastern	80.00	1,991.07	2,071.07	1,936.00		4,007.07
Green Mount	150.00	1,939.35	2,089.35	3,498.00		5,587.35
Galena Queen*						
George Washington*						
Homestake*						
Hough*						
Hawkeye*						
Hudson*						
Highland Chief		305.12	305.12	105.60		410.72
Highland Mary	80.00	7,757.40	7,837.40	1,584.00		9,421.40
Hamlet		387.87	387.87		\$502.50	890.37
Ice Lake*						
Iron Crown*						
Index*						
Idaho*						
Lone Star		1,034.32	1,034.32	3,520.00		4,554.32
Lost Boy	2.34	252.49	254.83	293.30		548.13
Lackawanna*						
Little Dora*						
Leavenworth*						
London	20.00	1,292.90	1,312.90			1,312.90
Lookout	40.00	1,771.27	1,811.27			1,811.27
Mt. Queen	60.00	1,551.48	1,611.48	1,056.00		2,667.48
Mazeppa	192.00	4,137.28	4,329.28	422.40		4,751.68
Mineral King	5.60	176.67	182.27	2.20		184.47
McMillan*						
Maid of the Mist*						
Mastodon	4.92	327.60	332.52			332.52
Monitor		1,745.42	1,745.42		2,261.25	4,006.67
Maybell*						
Margie	48.00	465.44	513.44	1,267.20		1,780.64
Midland Mining Co.*						
Molus*						
Mountain King*						
New Era	132.00	221.09	353.09	144.32		497.41
North Star (Sulton Mountain)	1,000.00	32,322.50	33,322.50	13,200.00		46,522.50
North Star (King Solomon Mountain)	2,350.60	146,544.85	148,895.45	11,179.87		160,075.32

* No production during 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>San Juan County—Continued.</i>						
Old Lout.....		\$5, 171. 60	\$5, 171. 60		\$184. 25	\$5, 355. 85
Oriental*						
Pearco*						
Pearl	\$61. 80	913. 30	975. 10		233. 83	1, 208. 93
Polar Star*						
Powder House.....	40. 00	6, 464. 50	6, 504. 50			6, 504. 50
Pride of the West*						
Pce Wcc*						
Pickett*						
Queen Anne*						
Queen of the Cement*						
Red Cloud*						
Round Mountain*						
Russell*						
Racine Boy*						
St. Paul*						
Sailor Boy*						
San Juan Chief	2, 000. 00	12, 929. 29	14, 929. 29			14, 929. 29
Sulphurette*						
Sampson Mining Co.*						
Sunnyside	83, 560. 00	9, 986. 36	93, 546. 36	\$8, 201. 60		101, 747. 96
Sunnyside Extension	63, 190. 60	3, 852. 49	67, 043. 09			67, 043. 09
Scotia*						
Snow Drift*						
Silver Ledge*						
Silver Lake	5, 296. 18	44, 970. 66	50, 266. 84	76, 604. 00		126, 870. 84
Star of the West*						
Seymour	104. 00	1, 008. 46	1, 112. 46	892. 32		2, 004. 78
Seven-Thirty	39. 80	4, 037. 14	4, 076. 94	54. 21		4, 131. 15
Silver Bell*						
Tribune*						
Titusville*						
Tower Mountain Gold and Silver Mining Co.*						
The Hidden Treasure*						
The Congress	80. 00	506. 82	586. 82		1, 822. 40	2, 409. 22
Titusville	1, 000. 00	32, 500. 00	33, 500. 00	4, 400. 00	13, 400. 00	51, 300. 00
Tornado*						
Victoria*						
Veta Madre†						
Whale†						
Yellow Jacket*						
Zuni*						
Confidential reports....	19, 316. 02	13, 162. 72	32, 478. 74	25, 627. 36		58, 106. 10
Total production during 1888	190, 328. 12	368, 900. 47	559, 228. 59	177, 236. 75	19, 161. 33	755, 626. 67

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>San Miguel County.</i>						
Alamo*						
Andrus*						
American Exchange*						
Alta*						
Armsborough	\$204. 00	\$511. 99	\$715. 99			\$715. 99
American Flag*						
Belmont	8, 000. 00	258. 58	8, 258. 58			8, 258. 58
Big Chicago*						
Ballard*						
Cimarron*						
Cincinnati*						
Crown Point*						
Columbia*						
Caribou	1, 500. 00	25, 212. 11	26, 712. 11	\$7, 956. 00		34, 668. 11
Cottonwood Placers	6, 944. 00		6, 944. 00			6, 944. 00
Crown Jewel		14, 545. 13	14, 545. 13	1, 650. 00		16, 195. 13
Carbinero*						
Clara	4, 650. 00	12, 023. 97	16, 673. 97			16, 673. 97
Dixie*						
Duquesne Mining Co.†						
Flora*						
Golden Group M. and M. Co	450. 00	450. 00	900. 00			900. 00
Gold King	50, 000. 00	1, 616. 13	51, 616. 13			51, 616. 13
Gold Chief*						
Golden Butterfly	500. 00	64. 46	564. 46			564. 46
Golden Chicken*						
Golden Crown	1, 500. 00	905. 03	2, 405. 03			2, 405. 03
Globe*						
Ivanhoe Placer*						
Joe Quin*						
Leaman Placer*						
Mendota	77, 500. 00	261, 812. 25	339, 312. 25			339, 312. 25
Mountain Chief*						
Marshall Basin Co. *						
May Flower	6, 999. 00	904. 12	7, 903. 12			7, 903. 12
Montana*						
Mocking Bird	270. 00	5. 82	275. 82			275. 82
Montezuma		9, 696. 96	9, 696. 96	3, 978. 00		13, 674. 96
Nelly Co. *						
Nevada	68. 00	2, 197. 93	2, 265. 93	374. 00		2, 639. 93
Oscicola*						
Oriental*						
Parsons*						
Pandora*						
San Miguel Hydraulic Placer Mining Co.†						
Silver Bell		86, 611. 37	86, 611. 37	19, 993. 60		106, 604. 97
Suffolk	22, 226. 00	714. 59	22, 940. 59			22, 940. 59

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>San Miguel County—Continued.</i>						
Sheridan.....	\$100,000.00	\$420,192.50	\$520,192.50	.....	.....	\$520,192.50
Smuggler.....	28,000.00	72,404.00	100,404.00	.....	.....	100,404.00
Seventy-six.....	3,000.00	9,696.96	12,696.96	.....	.....	12,696.96
Sulphurette.....	2,000.00	10,343.43	12,343.43	.....	.....	12,343.43
San Bernado.....	9,356.00	24,177.23	33,533.23	.....	.....	33,533.23
Stalsburg*.....	.....	.....	.....	.....	.....	.....
Single Standard.....	10,000.00	258.58	10,258.58	.....	.....	10,258.58
Terrible.....	.....	2,262.58	2,262.58	\$308.00	.....	2,570.58
Triangle.....	420.00	271.51	691.51	.....	.....	691.51
Tidal Wave.....	18.00	387.87	405.87	.....	.....	405.87
Union.....	90,551.20	136,075.72	226,626.92	.....	.....	226,626.92
What Cheer*.....	.....	.....	.....	.....	.....	.....
Confidential reports.....	550.00	2,092.96	2,642.96	473.00	.....	3,115.96
Total production during 1888.....	424,706.20	1,095,693.78	1,520,399.98	34,732.60	.....	1,555,132.58
<i>Summit County.</i>						
American Eagle*.....	.....	.....	.....	.....	.....	.....
Ada Placer.....	2,240.00	.....	2,240.00	.....	.....	2,240.00
Aladin's Lamp.....	.....	109.90	109.90	35.36	.....	145.26
Alsatian.....	.....	3,071.93	3,071.93	.....	.....	3,071.93
Belle.....	.....	1,274.83	1,274.83	2,475.20	.....	3,750.03
Bullion*.....	.....	.....	.....	.....	.....	.....
Blue River.....	132.20	425.36	557.56	1,100.00	.....	1,657.56
Buda Mining Co.....	20.00	593.45	613.45	287.30	.....	900.75
Brooks-Snyder.....	500.00	.....	500.00	.....	.....	500.00
Boss Mining Co.....	8,500.80	1,417.71	9,918.51	562.80	.....	10,481.31
Boss <i>et al</i>	40,000.00	197,813.70	237,813.70	7,040.00	.....	244,853.70
Briar Rose.....	200.00	2,585.80	2,785.80	.....	.....	2,785.80
Brown's Gulch*.....	.....	.....	.....	.....	.....	.....
Birlliant.....	.....	135.75	135.75	.....	.....	135.75
Bonanza Group*.....	.....	.....	.....	.....	.....	.....
Blanche.....	.....	323.23	323.23	221.00	.....	544.23
Bell.....	.....	2,424.18	2,424.18	3,978.00	.....	6,402.18
Brittle Silver*.....	.....	.....	.....	.....	.....	.....
Copenhagen*.....	.....	.....	.....	.....	.....	.....
Cashier†.....	.....	.....	.....	.....	.....	.....
Clarion*.....	.....	.....	.....	.....	.....	.....
Continental Gold and Silver Mining Co.....	58.24	7,189.92	7,239.16	.....	.....	7,239.16
Crown Point*.....	.....	.....	.....	.....	.....	.....
Chrysolite.....	.....	51.72	51.72	149.80	.....	201.52
Colorado King*.....	.....	.....	.....	.....	.....	.....
Cræsus, etc.*.....	.....	.....	.....	.....	.....	.....
Congress.....	.....	342.63	342.63	88.40	.....	431.03
Cincinnati*.....	.....	.....	.....	.....	.....	.....
Champion.....	400.00	33,616.16	34,016.16	.....	.....	34,016.16
Colorado Chief*.....	.....	.....	.....	.....	.....	.....

* No production during 1888.

† Confidential report.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Summit County—Continued.</i>						
Chautauqua		\$310. 30	\$310. 30	\$435. 10		\$745. 40
Chihuahua*						
Champion Tunnel Mining Co		122. 83	122. 83	101. 66		224. 49
Colonel Sellers*						
Columbia*						
Country Boy*						
Condor Group	\$18, 220. 00	21, 732. 84	39, 952. 84			39, 952. 84
Cassidy Group		342. 62	342. 62	792. 00		1, 134. 62
Dixie*						
Delphos	17, 360. 00	70, 635. 31	87, 995. 31	10, 696. 40		98, 691. 71
Darnell Placer	1, 800. 00	2, 456. 51	4, 256. 51			4, 256. 51
Detroit*						
Delaware*						
Dianthia*						
Discovery*						
Delaware Gulch*						
Discovery Double*						
Eureka*						
Empress*						
Eberlin Placer*						
Equity Mining Co		1, 551. 48	1, 551. 48	792. 00		2, 343. 48
Erickson*						
Eldorado*						
Frontier	2, 668. 20	2, 929. 71	5, 597. 91			5, 597. 91
Frenchman*						
Felicia Grace	1, 200. 00	10, 000. 00	11, 200. 00			11, 200. 00
French Gulch Placer	760. 00	25. 86	785. 86			785. 86
Glendale*						
Gold Run Placer	1, 000. 00		1, 000. 00			1, 000. 00
Governor*						
Gold Pan*						
Germania Gold and Silver Mining Co.*						
George King*						
Gray Eagle*						
Gold River Mining Co.*						
Galena Gulch Placer	1, 416. 33		1, 416. 33			1, 416. 33
Harrison*						
Horseshoe Mining Co.		400. 00	400. 00			400. 00
Homestake		2, 585. 85	2, 585. 85	884. 00		3, 469. 85
Hudson River Lode*						
Herman*						
Hunkidori*						
Ida Belle	70. 00	1, 221. 82	1, 291. 82	1, 547. 00		2, 838. 82
Idalia*						
Iowa Gulch Placer	1, 600. 00	51. 72	1, 651. 72			1, 651. 72
Iowa		71. 11	71. 11	154. 70		225. 81

* No production for 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Summit County—Continued.</i>						
I. X. L.*						
Jersey Queen*						
Jumbo Mining Co	\$53,000.00	\$7,000.00	\$60,000.00			\$60,000.00
Josephine*						
Kelhoe		1,000.00	1,000.00			1,000.00
Kellogg Group*						
King Fisher*						
Kit Carson*						
Last Chance*						
Little Undine*						
Lucky Strike		155.15	155.15			155.15
Luekey	400.00	4,525.15	4,925.15	\$11,000.00		15,925.15
Little Corporal*						
Little Ernie	100.00		100.00			100.00
Laurium*						
Lone Star		174.54	174.54	528.00		702.54
Livonia*						
Little Mountain M. & M. Co	400.00	15,514.80	15,914.80			15,914.80
Mohawk		181.01	181.01	574.60		755.61
Missouri Boy*						
Mt. Glazier Milling and Transportation Co.*						
Maid of Orleans	66.67	368.48	435.15	352.00		787.15
May Flower	2,000.00	1,000.00	3,000.00			3,000.00
Minnie	300.00	6,981.66	7,281.66	15,400.00		22,681.66
Morning Star	1,000.00		1,000.00			1,000.00
Morrow Placer*						
Mammoth*						
Manitou	260.00	543.02	803.02	374.00		1,177.02
Monroe Mining Co.*						
Nova Scotia Boy	2,940.00	16,290.91	19,230.91			19,230.91
Nettie B*						
North Star Group*						
N. Y. Lodes*						
Ohio*						
Ontario*						
Oro Cache*						
Old Bill*						
Old Times*						
One Hundred and Ten		58.18	58.18	74.26		132.44
Oro	4,370.00	5,810.29	10,180.29	15,092.00		25,272.29
Puzzle	1,115.20	625.91	1,741.11	880.00		2,621.11
Peruvian		3,878.78	3,878.78	2,563.60		6,442.38
Queen of the West (Kokomo)	600.00	38,787.87	39,387.87			39,387.87
Queen*						
Queen of the Forest*						

* No production for 1888.

PRODUCTION BY MINES IN COLORADO, 1888—Continued.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Value of copper.	Total value.
<i>Summit County—Continued.</i>						
Robinson Consolidated Mining Co.*						
Republic		\$126.71	\$126.71	\$99.45		\$226.16
Roset						
Radical		124.12	124.12	424.32		548.44
Result	\$1,000.00	2,909.00	3,909.00	880.00		4,789.00
St. John's Mining Co.†						
Star of the West†						
Silver Wave		4,124.43	4,124.43	454.38		4,578.81
Silver Bowl†						
St. Louis Placer	1,000.00	25.86	1,025.86			1,025.86
Standard†						
Snow Drift		1,876.00	1,876.00		\$51.93	1,927.93
Seven-Thirty	1,080.00	4,654.54	5,734.54	7,956.00		13,690.54
Silver Chain†						
Silver King†						
Silver Cord		116.36	116.36	44.20		160.56
Silver Princet						
Sarsfield		3,012.12	3,012.12	530.40		3,542.52
Salt Lick Placer	2,000.00		2,000.00			2,000.00
Semper Idem*						
Sun Down†						
St. Elmot						
The Iron Mask Mining Co.	1,235.50	8,861.54	10,097.04	20,680.00		30,777.04
Tigert						
Tom Price	260.00	607.66	867.66	912.00		1,779.66
Thirty Per Cent		284.45	284.45			284.45
Tryon	200.00	1,137.78	1,337.78	707.20		2,044.98
Tringlet						
Tariff†						
Union†						
Victoria Mining Co.	100,000.00	646.45	100,646.45			100,646.45
Washington†						
West Ohio	200.00	258.58	458.58			458.58
Winning Card†						
Wire Patch	6,173.30		6,173.30			6,173.30
Wheel of Fortune†						
Warrior's Mark†						
White Quail	760.00	9,323.31	10,083.31			10,083.31
Young America†						
Yubadamn	1,600.00		1,600.00			1,600.00
Yellow Jacket†						
Yorkshire†						
Confidential reports	2,003.00	144,094.14	146,097.14	5,192.00		151,289.14
Total production during 1888	282,209.41	650,884.63	933,093.47	116,059.13	51.93	1,049,204.53

* Confidential report.

†No production during 1888.

ESTIMATED VALUE OF PRODUCE DURING YEAR 1888 OF MINES FROM WHICH NO REPORTS WERE RECEIVED, NOT INCLUDED IN PRECEDING ESTIMATE FOR THE STATE.

Name of mine.	Value of gold.	Coinage value of silver.	Total value of gold and silver.	Value of lead.	Total value.
<i>Boulder County.</i>					
Big John	\$500. 00	\$50. 00	\$550. 00	-----	\$550. 00
Columbia No. 7	1, 000. 00	100. 00	1, 100. 00	-----	1, 100. 00
Grand View (Ward)	2, 000. 00	500. 00	2, 500. 00	-----	2, 500. 00
Logan	1, 000. 00	500. 00	1, 500. 00	-----	1, 500. 00
Mountain Lion	5, 000. 00	1, 000. 00	6, 000. 00	-----	6, 000. 00
Osceola	3, 000. 00	500. 00	3, 500. 00	-----	3, 500. 00
Puzzler	6, 000. 00	2, 000. 00	8, 000. 00	-----	8, 000. 00
Total	18, 500. 00	4, 650. 00	23, 150. 00	-----	23, 150. 00
<i>Chaffee County.</i>					
D. A. Mason	5, 000. 00	250. 00	5, 250. 00	-----	5, 250. 00
Croesus and Robert Wilson	-----	7, 000. 00	7, 000. 00	\$8, 000. 00	15, 000. 00
Total	5, 000. 00	7, 250. 00	12, 250. 00	8, 000. 00	20, 250. 00
<i>Clear Creek County.</i>					
Aliunde	-----	10, 000. 00	10, 000. 00	500. 00	10, 500. 00
Benton	2, 000. 00	200. 00	2, 200. 00	-----	2, 200. 00
Crystal	150. 00	550. 00	700. 00	200. 00	900. 00
East Dives	-----	10, 000. 00	10, 000. 00	500. 00	10, 500. 00
Gold Leaf	500. 00	100. 00	600. 00	-----	600. 00
Queen	1, 500. 00	3, 000. 00	4, 500. 00	-----	4, 500. 00
Total	4, 150. 00	23, 850. 00	28, 000. 00	1, 000. 00	29, 000. 00
<i>Gunnison County.</i>					
Jimmy Mack	1, 000. 00	5, 000. 00	6, 000. 00	-----	6, 000. 00
Silver Islet	500. 00	8, 000. 00	8, 500. 00	-----	8, 500. 00
Total	1, 500. 00	13, 000. 00	14, 500. 00	-----	14, 500. 00
<i>Ouray County.</i>					
Mickey Breen	-----	10, 000. 00	10, 000. 00	5, 000. 00	15, 000. 00
Ruby Trust	2, 000. 00	20, 000. 00	22, 000. 00	5, 000. 00	27, 000. 00
Wheel of Fortune	500. 00	15, 000. 00	15, 500. 00	2, 000. 00	17, 500. 00
Total	2, 500. 00	45, 000. 00	47, 500. 00	12, 000. 00	59, 500. 00
<i>Summary.</i>					
Boulder	18, 500. 00	4, 650. 00	23, 150. 00	-----	23, 150. 00
Chaffee	5, 000. 00	7, 250. 00	12, 250. 00	8, 000. 00	20, 250. 00
Clear Creek	4, 150. 00	23, 850. 00	28, 000. 00	1, 000. 00	29, 000. 00
Gunnison	1, 500. 00	13, 000. 00	14, 500. 00	-----	14, 500. 00
Ouray	2, 500. 00	45, 000. 00	47, 500. 00	12, 000. 00	59, 500. 00
Total	31, 650. 00	93, 750. 00	125, 400. 00	21, 000. 00	146, 400. 00

COMPARATIVE TABLE SHOWING THE INCREASE AND DECREASE IN THE VALUE OF THE PRINCIPAL METALS PRODUCED IN THE RESPECTIVE COUNTIES OF THE STATE OF COLORADO DURING THE CALENDAR YEARS 1887 and 1888.

[Cents have been omitted.]

Counties.	Gold.			Silver.		
	1887.	1888.	Increase (+) decrease (-).	1887.	1888.	Increase (+) decrease (-).
Boulder.....	\$306,879	\$189,241	-\$117,638	\$94,612	\$380,241	+\$285,629
Clear Creek.....	383,939	419,821	+35,882	1,733,305	1,896,518	+163,213
Chaffee.....	495,092	393,457	-101,635	571,977	482,887	-89,090
Custer.....	614	120	-494	159,241	5,720	-153,521
Dolores.....	11,792	17,470	+5,678	159,635	204,572	+44,937
Eagle.....	265,785	142,002	-123,783	342,964	319,596	-23,368
Gilpin.....	1,373,110	1,250,756	-122,354	359,437	288,005	-71,432
Gunnison.....	61,130	18,642	-42,488	233,003	99,379	-133,624
Hinsdale.....	5,214	2,667	-2,547	121,965	142,459	+20,494
La Plata.....	15,096	3,574	-11,522	9,619	3,789	-5,830
Lake.....	294,954	310,891	+15,937	8,091,369	9,061,589	+970,220
Montrose.....	603	12,000	+11,397	12	.....	-12
Ouray.....	27,660	24,289	-3,371	1,285,390	1,303,883	+18,493
Park.....	784,864	23,915	-750,949	145,126	744,044	+598,918
Pitkin.....	11,300	12,716	+1,416	826,597	7,158,327	+6,331,730
Rio Grande.....	148,122	16,260	-131,862	10,788	4,828	-5,960
Saguache.....	915	4,220	+3,305	9,714	59,630	+49,916
San Juan.....	146,748	190,328	+43,580	542,304	368,900	-173,404
San Miguel.....	205,391	424,706	+219,315	665,100	1,095,694	+430,594
Summit.....	291,111	282,209	-8,902	297,127	650,884	+353,757
Miscellaneous.....	11,063	8,785	-2,278	946	2,004	+1,058
Total.....	4,841,382	3,758,099	{ +336,510 -1,419,793 }	15,660,231	24,272,349	{ +9,268,959 -656,241 }
Estimate by Bureau of the Mint.....	4,000,000	3,758,000	.....	15,000,000	19,000,000	.....

COMPARATIVE TABLE SHOWING THE INCREASE AND DECREASE IN THE VALUE OF THE PRINCIPAL METALS PRODUCED IN THE RESPECTIVE COUNTIES OF THE STATE OF COLORADO, ETC.—Continued.

[Cents have been omitted.]

Counties.	Lead.			Copper.			Total value 1888, increase (+) or decrease (-).
	1887.	1888.	Increase (+) or decrease (-).	1887.	1888.	Increase (+) or decrease (-).	
Boulder.....	\$32	\$13, 439	+\$13, 407	.....	184	+\$184	+\$181, 582
Clear Creek	99, 727	205, 242	+105, 515	\$4, 326	28, 673	+24, 347	+328, 957
Chaffee	807, 029	477, 087	-329, 942	3, 828	17, 032	+13, 204	-507, 463
Custer... ..	289, 665	263, 078	-26, 587	1, 017	.....	-1, 017	-181, 619
Dolores	979	5, 280	+4, 301	3, 825	.....	-3, 825	+51, 091
Eagle	60, 060	129, 330	+69, 270	.....	2, 164	+2, 164	-75, 717
Gilpin	12, 338	70, 328	+57, 990	10, 167	21, 280	+11, 113	-124, 683
Gunnison.....	24, 358	55, 211	+30, 853	.....	335	+335	-144, 924
Hinsdale.....	29, 547	65, 807	+36, 260	1, 205	305	-900	+53, 307
La Plata.....	2, 278	.....	-2, 278	.....	.....	.....	-19, 630
Lake	4, 984, 332	4, 004, 066	-980, 266	.....	1, 394	+1, 394	+7, 285
Montrose .....	.....	.....	.....	.....	.....	.....	+11, 385
Ouray	175, 392	177, 885	+2, 493	9, 450	103, 152	+93, 702	+111, 317
Park.....	38, 247	416, 990	+378, 743	.....	1, 725	+1, 725	+228, 467
Pitkin	19, 503	783, 033	+763, 530	.....	.....	.....	+7, 096, 676
Rio Grande .....	.....	.....	.....	.....	.....	.....	-137, 822
Saguache	679	9, 837	+9, 158	.....	2, 848	+2, 848	+65, 227
San Juan	131, 687	177, 237	+45, 550	.....	19, 161	+19, 161	-65, 113
San Miguel	28, 987	34, 733	+5, 746	.....	.....	.....	+655, 655
Summit.....	94, 665	116, 059	+21, 394	138	52	-86	+366, 163
Miscellaneous	320	2, 050	+1, 730	506	4, 950	+4, 444	+4, 954
Total	6, 799, 825	7, 006, 692	{ +1, 545, 940 } { -1, 339, 073 }	34, 462	203, 255	{ +174, 621 } { -5, 828 }	+9, 162, 066 -1, 256, 971

Gold estimated at \$20, and silver at \$1.2929 per ounce, fine; lead at 4.4, and copper at 16.75 cents per pound.

PRODUCT OF 1888, \$7,905,095 IN EXCESS OF 1887.

VALUE OF DEPOSITS AT THE MINT OF THE UNITED STATES AT DENVER DURING
THE CALENDAR YEAR 1888.

Locality, etc.	Gold.	Silver (coin- age rate).	Total.
Colorado:			
Boulder.....	\$38,396.30	\$467.66	\$38,863.96
Clear Creek.....	64,423.73	1,209.95	65,633.68
Chaffee.....	34,550.62	371.11	34,921.73
Eagle.....	1,046.45	266.78	1,313.23
Gilpin.....	780,363.33	9,679.52	790,042.85
Gunnison.....	380.96	6.78	387.74
Garfield.....	266.10	4.18	270.28
Jefferson.....	189.74	3.30	193.04
Lake.....	54,996.70	844.60	55,841.30
Las Animas.....	95.28	1.05	96.33
La Plata.....	693.62	13.89	707.51
Montrose.....	4,457.96	73.50	4,531.46
Ouray.....	10,174.15	350.22	10,524.37
Park.....	23,893.96	234.51	24,128.47
Pitkin.....	12,716.16	154.38	12,870.54
Rio Grande.....	7,982.58	113.89	8,096.47
Summit.....	75,537.01	1,734.77	77,271.78
Saguache.....	189.88	3.07	192.95
San Juan.....	13,810.58	357.17	14,167.75
San Miguel.....	39,140.46	1,133.47	40,273.93
County unknown.....	130,089.96	2,488.44	132,578.40
Total.....	1,293,395.53	19,512.24	1,312,907.77
Arizona.....	82,715.67	1,324.72	84,040.39
Dakota.....	154.28	1.74	156.02
Idaho.....	4,251.17	31.94	4,283.11
Oregon.....	8,837.14	107.13	8,944.27
New Mexico.....	65,498.29	709.85	66,208.14
Wyoming.....	11,324.20	329.60	11,653.80
Total States and Territories.....	1,466,176.28	22,017.22	1,488,193.50
Old jewelry.....	3,907.18	375.81	9,282.99
United States gold coin.....	1,745.00	-----	1,745.00
Re-deposits.....	15,975.81	447.09	16,422.90
Graud total.....	1,492,804.27	22,840.12	1,515,644.39

Gross weight of deposits for year.....	ounces..	97,340.46
Net weight of deposits for year.....	do....	94,204.88
Net weight of base removed.....	do....	3,135.58
Average per cent. of base removed.....		.031
Average fineness of the gold.....		.764
Average fineness of the silver.....		.195

ESTIMATED COINAGE VALUE OF THE GOLD AND SILVER PRODUCED IN COLORADO
FROM 1859 TO 1888.

Year.	Gold.	Silver.	Total.
1859 to 1870.....	\$27, 213, 081. 00	\$330, 000. 00	\$27, 543, 081. 00
1870	2, 000, 000. 00	650, 000. 00	2, 650, 000. 00
1871	2, 000, 000. 00	1, 029, 046. 34	3, 029, 046. 34
1872	1, 725, 000. 00	2, 015, 000. 00	3, 740, 000. 00
1873	1, 750, 000. 00	2, 185, 000. 00	3, 935, 000. 00
1874	2, 002, 487. 00	3, 096, 023. 00	5, 098, 510. 00
1875	2, 161, 475. 02	3, 122, 912. 00	5, 284, 387. 02
1876	2, 726, 315. 82	3, 315, 592. 00	6, 041, 907. 82
1877	3, 148, 707. 56	3, 726, 379. 33	6, 875, 086. 89
1878	3, 240, 384. 36	6, 041, 807. 81	9, 282, 192. 17
1879	2, 920, 326. 43	12, 068, 930. 27	14, 989, 256. 70
1880	3, 206, 500. 00	18, 615, 000. 00	21, 821, 500. 00
1881	3, 300, 000. 00	17, 160, 000. 00	20, 460, 000. 00
1882	3, 360, 000. 00	16, 500, 000. 00	19, 860, 000. 00
1883	4, 100, 000. 00	17, 370, 000. 00	21, 470, 000. 00
1884	4, 300, 000. 00	16, 000, 000. 00	20, 300, 000. 00
1885	4, 165, 794. 00	15, 824, 557. 00	19, 990, 351. 00
1886	4, 446, 417. 07	18, 209, 406. 40	22, 655, 823. 47
1887	4, 874, 387. 66	15, 668, 236. 65	20, 542, 624. 31
1888	3, 758, 098. 46	24, 272, 949. 44	28, 031, 047. 90
Grand total.....	86, 398, 974. 38	197, 200, 840. 24	283, 599, 814. 62

CHAPTER V.

DAKOTA.

By AUGUSTINE HEARD.

DEPOSITS OF GOLD AND SILVER FROM DAKOTA AT THE UNITED STATES ASSAY OFFICE AT NEW YORK, 1888.

Mines.	Gold.		Silver.		Total.
	Standard ounces.	Value.	Standard ounces.	Coining value.	
Caledonia.....	15,875.887	\$295,370.88	3,616.64	\$4,208.32	\$299,579.20
Deadwood-Terra	34,698.030	645,556.85	7,075.89	8,233.50	653,790.35
Highland	28,089.279	522,601.03	5,353.44	6,229.26	528,830.29
Homestake	48,876.495	909,347.19	9,056.82	10,538.52	919,885.71
Monitor	396.810	7,382.65	.....	.....	7,382.65
Unknown	5,462.347	101,626.96	642.29	747.37	102,374.33
Total	133,398.848	2,481,885.56	25,745.08	29,956.97	2,511,842.53

DEPOSITS FROM DAKOTA AT THE UNITED STATES MINT AT PHILADELPHIA, 1888.

Metal.	Standard ounces.	Coining value.	Total.
Gold	139.314	\$2,591.93	} 2,712.90
Silver	103.96	120.97	

GOLD AND SILVER REPORTED BY PRIVATE REFINERIES AS RECEIVED FROM DAKOTA, 1888.

	Gold.		Silver.		Total.
	Standard ounces.	Value.	Standard ounces.	Coining value.	
Omaha and Grant Smelting and Refining Company.....	2,264.44	\$42,129.19	81,375.55	\$94,688.59	\$136,817.78
Kansas City Smelting and Refining Company.....	.....	.....	3,250.00	3,781.70	3,781.70
Total	2,264.44	42,129.19	84,625.55	98,470.29	140,599.48

PRODUCTION OF GOLD IN DAKOTA, 1881-1888.

Years.	Annual pro- duction of gold in Dakota, as estimated by the Director of the Mint.	Gold from Dakota depos- ited at United States mints and assay offices.
1881.....	\$4,000,000	\$3,474,837
1882.....	3,300,000	3,141,737
1883.....	3,200,000	3,075,911
1884.....	3,300,000	3,010,730
1885.....	3,200,000	2,865,166
1886.....	2,700,000	2,522,408
1887.....	2,400,000	2,402,333
1888.....	2,600,000	2,484,477

PRODUCTION OF SILVER IN DAKOTA, 1881-1888.

Years.	Annual pro- duction of sil- ver in Dakota, as estimated by the Director of the Mint.	Year.	Annual pro- duction of sil- ver in Dakota, as estimated by the Director of the Mint.
1881.....	\$70,000	1885.....	\$100,000
1882.....	175,000	1886.....	425,000
1883.....	150,000	1887.....	540,000
1884.....	150,000	1888.....	100,000

PRODUCTION OF THE LEADING MINES OF DAKOTA, ALL IN LAWRENCE COUNTY,
FOR THE LAST FIVE YEARS.

Mines.	1884.	1885.	1886.	1887.	1888.
Homestake.....	\$1,255,790	\$1,307,039	\$1,030,758	\$936,282	\$919,886
Father do Smet.....	474,553	281,697	73,069	.....	.....
Deadwood-Terra.....	485,401	441,491	589,657	637,326	653,790
Highland.....	511,421	416,686	518,387	409,781	528,830
Caledonia.....	.....	.....	200,227	281,391	299,579
Iron Hill.....	.....	13,394	372,120	259,942	*15,000
Total.....	2,727,165	2,560,307	2,784,218	2,524,722	2,417,085

* Estimated.

Mr. F. J. Cross reports the gold product of the placer districts of Pennington County to have been—

1886.....	\$41,500
1887.....	26,100
1888.....	33,000

DIVIDENDS DECLARED BY DAKOTA MINING COMPANIES DURING 1888 AND TWO
PRECEDING YEARS.

Mining companies.	1886.	1887.	1888.
Homestake	\$600,000	\$300,000	\$300,000
Deadwood-Terra		100,000	-----
Caledonia	20,000	-----	16,000
Big Bend Hydraulic	-----	48,000	-----
Hermosa Hydraulic	-----	25,000	60,000
Iron Hill	112,500	43,750	-----
Total	732,500	516,750	376,000

Messrs. Wells, Fargo & Co. report the transportation from Dakota during the past three years as follows:

Year.	Gold.	Silver.
1886	\$2,405,250	\$251,437
1887	2,385,320	473,285
1888	2,390,716	453,216

ESTIMATED PRODUCT OF THE PRECIOUS METALS IN DAKOTA, 1888.

Metals.	Coining value.
Gold	\$2,600,000
Silver	175,000
Total	2,775,000

CHAPTER VI.

IDAHO.

By H. F. WILD,

Assayer in charge United States Assay Office at Boisé City, Idaho.

An estimate, based upon reports from various samplers, reduction-works, and mines, together with information obtained from individuals best acquainted with particular localities, of the value of the gold and silver produced in Idaho Territory during 1888 is \$5,210,043. This is a decrease of \$606,602 from the product of 1887. Silver in both cases has been valued at coining rate, viz, \$1.2929 per fine ounce.

GOLD AND SILVER PRODUCED IN THE TERRITORY OF IDAHO DEPOSITED AT GOVERNMENT INSTITUTIONS DURING THE CALENDAR YEAR 1888.

Institutions.	Gold.		Silver, \$1.16 $\frac{4}{11}$ per standard ounce.	
	Standard ounces.	Value.	Standard ounces.	Value.
MINTS.				
Philadelphia	4,882	\$90.82	139.52	\$162.35
San Francisco	9,095.751	169,223.27	2,502.66	2,912.18
ASSAY OFFICES.				
Denver	196.502	3,655.85	25.61	29.80
Boisé City	26,398.991	491,144.02	21,836.36	25,409.58
Helena	6,517.673	121,259.03	1,162.82	1,353.09
New York	695.497	12,939.48	18,231.66	21,215.02
Saint Louis	820.207	15,259.66	107.72	125.35
	43,729.503	813,572.13	44,006.35	51,207.37
Total gold and silver				864,779.50

ESTIMATE OF THE PRODUCT OF GOLD, SILVER, AND LEAD IN THE TERRITORY OF IDAHO DURING THE CALENDAR YEAR 1888.

Production.	Value.
Gold	\$1,960,060
Silver (\$1.16 $\frac{4}{11}$ per ounce standard)	3,249,983
Total	5,210,043
Lead (70,000,000 pounds, at 4.40 cents), \$3,080,000.	

GOLD AND SILVER PRODUCT OF MINES IN IDAHO, 1888 (reported).

Authority.	District.	County.	Value of gold.	Coining value of silver.	Total value of gold and silver.
United States assay office, Boise City.	Boisé River.....	Ada	\$1, 656	\$25	\$1, 681
Do.....	Various	Alturas ...	223, 131	2, 061	225, 192
Camas No. 2.....	Gold Belt	do	13, 224	270	13, 494
Bank and samplers	Wood River	do		775, 048	775, 048
United States assay office, Boise City.	Boisé Basin.....	Boisé	101, 582	2, 207	103, 789
Bank	Boisé Basin and Banner.	do	134, 000	65, 342	199, 342
United States assay office, Boise City.	Various	Custer	2, 835	1, 321	4, 156
Do.....	do	Idaho	19, 985	309	20, 294
Do.....	do	Lemhi	61, 684	318	62, 002
Do.....	Carson.....	Owyhee....	76, 144	14, 436	90, 580
Purchasers and shippers.....	Various	do	29, 160	6, 880	36, 040
Bunker Hill and Sullivan Mining Company.	Wardner	Shoshone ..		397, 855	397, 855
Nellie Wood mine.....	Coeur d'Alene..	do	85, 284	350	85, 634
Golden King.....	do	do	1, 726	62	1, 788
Golden Chest.....	do	do	2, 976	77	3, 053
Total.....			753, 387	1, 266, 561	2, 019, 948

TOTAL PRODUCT OF GOLD, SILVER, AND LEAD IN IDAHO FOR 1888, "REPORTED AND ESTIMATED."

Counties.	Value of gold.	Value of silver at coining rate.	Lead.*	Value of lead.	Total value of gold, silver, and lead.
			<i>Pounds.</i>		
Ada	\$2, 256	\$28			\$2, 284
Alturas	300, 000	830, 000	11, 000, 000	\$484, 600	1, 614, 600
Bingham	30, 000	40			30, 040
Boisé	283, 000	67, 549			350, 549
Cassia	4, 500	50			4, 550
Custer	200, 000	1, 200, 000	8, 000, 000	352, 000	1, 752, 000
Idaho.....	300, 000	8, 000			308, 000
Lemhi.....	500, 000	400, 000	15, 000, 000	660, 000	1, 560, 000
Owyhee.....	115, 304	24, 316			139, 620
Shoshone	205, 000	720, 000	36, 000, 000	1, 584, 000	2, 509, 000
Washington	20, 000				20, 000
Total	1, 960, 060	3, 249, 983	70, 000, 000	3, 080, 000	8, 290, 043

* At 4.40 cents.

RECAPITULATION.

Value of gold.....	\$1, 960, 060
Value of silver.....	3, 249, 983
Total value of gold and silver.....	5, 210, 043
Value of lead.....	3, 080, 000
Total value of gold, silver, and lead.....	8, 290, 043

CHAPTER VII.

MONTANA.

By SPRUILLE BRADEN,

Assayer in charge United States Assay Office, Helena, Montana.

PRODUCTION OF GOLD AND SILVER IN MONTANA, 1888.

	Gold value.	Silver coining value.
<i>Beaverhead County.</i>		
Hecla Consolidated Mining Company.....	\$25,026.08	\$926,828.29
Tuscarora Mining and Smelting Company.....	2,501.07	32,322.50
Sundry producers and ore shipped.....	59,984.34	131,875.80
	87,511.49	1,091,026.59
<i>Choteau County.</i>		
Sundry producers and ore shipped.....	10,000.00	40,000.00
<i>Deer Lodge County.</i>		
Anaconda Silver Mill*.....		
Bi-Metallic Mining Company*.....		
Blackfoot District.....	100,000.00	
Beartown and Pioneer.....	55,000.00	
Blue-Eyed Nellie.....	5,630.51	80,899.34
Cable Mine*.....		
Combination Mining and Milling Company.....	788.97	131,776.25
Clark and Larrabie.....	60,000.00	
Granite Mountain Mining Company.....	37,647.10	4,043,088.36
Hope Mining Company*.....		
Independent Sampling Mill.....	914.10	42,138.20
Pyronees mine.....	50,999.09	
Sundry producers and confidential.....	80,175.00	1,290,613.07
	391,154.77	5,588,515.22
<i>Fergus County.</i>		
Maginnis Mining Company.....	43,871.00	1,887.63
Spotted Horse mine.....	81,634.92	524.92
Sundry producers and ore shipped.....	15,000.00	
	140,505.92	2,412.55
<i>Gallatin County.</i>		
Sundry producers and ore shipped.....	5,000.00	25,000.00

* Confidential.

PRODUCTION OF GOLD AND SILVER IN MONTANA, 1888--Continued.

	Gold value.	Silver coining value.
<i>Jefferson County.</i>		
C. and D. Mining Company	\$2,661.26	\$10,433.70
Elkhorn Mining Company	6,068.92	476,754.29
Helena Mining and Reduction Company	202,211.51	1,109,181.50
Minah mine*		
Sundry producers and Minah mine	98,055.60	440,571.20
	308,997.29	2,036,940.69
<i>Lewis and Clarke County.</i>		
Empire Mining Company (limited)	230,656.53	7,890.57
Jay Gould Mining Company*		
Montana Company (limited)	728,927.55	366,495.78
Peerless Jennie mine	4,134.00	51,611.28
Sundry producers and confidential replies	400,628.98	238,721.06
	1,364,347.06	664,718.69
<i>Madison County.</i>		
Iron Rod Mining Company	17,372.51	974.85
Sundry producers and ore shipped	202,492.66	32,322.50
	219,866.17	33,297.35
<i>Meagher County.</i>		
Sundry producers and ore shipped	10,000.00	100,000.00
<i>Missoula County.</i>		
Missoula National Bank	31,586.86	
Sundry producers and ore shipped	10,000.00	
	41,586.86	
<i>Park County.</i>		
Sundry producers	5,000.00	
<i>Silver Bow County.</i>		
Albee Gold and Silver Mining Company	29,000.00	459,000.00
Anaconda Gold and Silver Mining Company*		
Blue Bird Mining Company (limited)*		
Boston and Montana Consolidated Silver and Copper Mining Company	1,622.60	309,465.96
Butte and Boston Consolidated Silver and Copper Mining Company*		
Butte Reduction Company	28,111.20	432,572.02
Clark's Colusa	5,229.51	90,503.00
Clark & Larrabee*		
Colorado Smelting and Mining Company	50,470.35	873,534.96
Lexington Mining Company	149,290.73	968,444.16
Moulton Mining Company	16,949.40	421,226.82
Pollock Mining and Milling Company	3,054.61	207,590.61
Parrot Silver and Copper Company*		
Pueblo Sampling Works	27,599.82	356,840.40
Silver Bow Milling and Mining Company	27,980.98	241,182.74
Sundry producers and confidential replies	576,868.69	6,339,623.39
Total	916,177.89	10,699,984.06

*Confidential.

PRODUCTION OF GOLD AND SILVER IN MONTANA, 1888—Continued.

SUMMARY BY COUNTIES.

	Gold value.	Silver, coining value.
Beaverhead.....	\$87,511.49	\$1,091,026.59
Choteau.....	10,000.00	40,000.00
Deer Lodge.....	391,154.77	5,588,515.22
Fergus.....	140,505.92	2,412.55
Gallatin.....	5,000.00	25,000.00
Jefferson.....	308,997.29	2,036,940.69
Lewis and Clarke.....	1,364,347.06	664,718.69
Madison.....	219,866.17	33,297.35
Meagher.....	10,000.00	100,000.00
Missoula.....	41,586.86	.....
Park.....	5,000.00	.....
Silver Bow.....	916,177.89	10,699,984.06
Deposits at—		
United States Assay Office, Helena, not enumerated elsewhere.....	531,290.69	10,105.35
United States Assay Office, New York, not enumerated elsewhere.....	120,774.91	123,909.03
Philadelphia Mint, not enumerated elsewhere.....	9,377.92	214.01
San Francisco Mint, not enumerated elsewhere.....	38,662.15	181.99
Total product.....	4,200,253.12	20,416,305.53

CHAPTER VIII.

NEVADA.

By WILLIAM GARRARD,
Superintendent of United States Mint, Carson, Nevada.

PRODUCT OF NEVADA, 1888.

[Estimate of Mr. Garrard.]

Counties.	Gold.	Silver, coining value.	Total.
Douglas	\$1,846.00	\$200.00	\$2,046.00
Eureka	341,234.00	873,739.00	1,214,973.00
Esmeralda	192,933.00	555,289.00	748,222.00
Elko	110,898.00	897,267.00	1,008,165.00
Humboldt	3,500.00	27,778.00	31,278.00
Lincoln	7,000.00	99,782.00	106,782.00
Lander		247,956.00	247,956.00
Lyon	136,642.00	182,227.00	318,869.00
Nye		85,147.00	85,147.00
Ormsby		3,551.00	3,551.00
Storey	2,624,207.00	5,117,205.00	7,741,412.00
Washoe	6,800.00	1,200.00	8,000.00
White Pine	98,112.00	150,477.00	248,589.00
Total	3,523,172.00	8,241,818.00	11,764,990.00

PRODUCT OF GOLD AND SILVER IN NEVADA, REPORTED BY COUNTY AUDITORS TO STATE COMPTROLLER, DURING THE YEAR 1888.

SUMMARY BY COUNTIES.

Counties.	Ore extracted.		Gross yield.	Cost of—		Cost of reduction.		Total cost.
				Mining.	Trans- portation.	Free mill- ing.	Freiberg process.	
	<i>Tons.</i>	<i>Lbs.</i>						
Eureka	43,654	640	\$1,013,341.26	\$390,575.91	\$31,027.26		\$465,972.02	\$887,575.19
Esmeralda	16,747	1,571	620,079.10	273,746.76	46,638.37	\$160,083.59		480,468.72
Elko	4,658	768	565,165.40	581,107.37	4,212.04		170,998.82	756,318.23
Humboldt	2,651	670	24,868.57	42,901.80	6,017.62	20,389.49		69,308.91
Lincoln*	2,331	1,581	83,756.18	48,756.55	7,206.89	19,770.47		83,271.65
Lander	10,788	1,296	190,736.41	114,957.64	11,146.68		72,830.03	198,934.35
Lyon	51,734		260,172.27	62,186.63	15,874.34	142,359.94		220,420.91
Nye	1,753	395	65,498.43	44,940.55	9,341.09	19,391.96		73,673.60
Ormsby	450		2,732.00		450.00	1,687.00		2,127.00
Storey	266,103	306	5,560,519.30	2,011,595.74	14,174.54	2,204,589.86		4,230,360.14
White Pine	10,307	1,799	213,864.61	140,116.61	16,046.36	84,064.30		240,227.27
Total	411,180	1,026	8,600,733.53	3,710,885.56	162,135.19	2,652,336.61	709,800.87	7,242,695.97

* Costs not all itemized on comptroller's statements.

PRODUCT OF GOLD AND SILVER

[Reported by county auditors to state]

County.	Name of mine.	Ore extracted.	
		<i>Tons.</i>	<i>Lbs.</i>
Eureka.....	Eureka Consolidated	26,281	1,911
	Garrison	5,366	.....
	Jackson	1,260	903
	Marguerita	239	472
	Silver Lick	424	883
	Seventy-Six	19	437
	Bullwhacker.....	81	1,090
	Bowman	27	40
	Bertrand.....	24	836
	Eureka Tunnel	94	350
	Hamburg	603	1,294
	Idaho.....	14	870
	Leone	51	286
	Lone Pine	23	960
	Lindsey.....	14	1,814
	Oriental and Belmont.....	163	1,385
	Phenix	123	234
	Ruby and Dunderberg Consolidated.....	1,410	1,071
	Silver West.....	1	1,450
	Williams	19	438
	Eureka Star	38	1,632
	Geddes & Bertrand	332	729
	Prospect Mount Tunnel	122	1,159
	Woodchopper.....	226	1,110
	Avon	6	714
	Altoona.....	43	916
	Banner	9	1,053
	Debris	7	1,875
	Dead Broke.....	7	842
	El Dorado	17	1,689
	Fraser & Molino.....	4	243
	General Leo	14	598
	Industry.....	2	1,797
	Little Rose	29	1,823
	Union	8	760
	Lincoln.....	20	180
	Lord Byron.....	38	220
	Maud.....	2	1,413
	May	17	870
	Mortimer.....	8	1,436
	Needle	11	1,258
	Paul Pry.....	31	1,448
	Rocky Point	13	920
	Reves and Berry.....	22	1,370
	Strandberg	15	1,477
	Richmond Mining Company of Nevada.....	3,341	1,580

IN NEVADA FOR THE YEAR 1888.

comptroller for revenue purposes.]

Gross yield.	Cost of—		Cost of reduction.		Total cost.
	Mining.	Transportation.	Free milling.	Freiberg process.	
\$381,711.59	\$78,842.14	\$7,535.92	-----	\$254,820.78	\$341,198.84
264,272.88	96,134.62	5,366.00	-----	87,501.80	189,002.42
42,081.57	27,325.81	1,473.00	-----	8,201.93	37,000.74
5,580.23	2,452.63	361.00	-----	2,177.60	4,991.23
14,949.90	9,710.92	692.90	-----	4,065.50	14,469.32
668.18	600.85	20.00	-----	102.34	723.19
883.28	700.00	113.00	-----	250.29	1,063.29
264.36	200.00	36.00	-----	135.20	371.20
784.29	450.00	122.00	-----	243.68	815.68
2,015.28	1,060.00	141.00	-----	1,005.95	2,206.95
20,257.79	13,386.31	765.00	-----	4,670.04	18,821.35
564.09	450.00	21.50	-----	129.02	600.52
613.12	600.00	117.00	-----	-----	717.00
572.16	560.00	39.00	-----	155.43	754.43
286.38	200.00	60.00	-----	68.53	328.53
2,162.11	840.00	217.00	-----	1,371.97	2,428.97
3,887.85	2,820.00	130.00	-----	1,121.87	4,071.87
44,810.38	37,575.90	1,973.00	-----	10,387.69	49,936.59
80.83	80.00	3.00	-----	-----	83.00
971.12	850.00	59.00	-----	185.81	1,094.81
2,789.76	1,913.63	123.00	-----	388.15	2,424.78
8,732.84	3,323.80	1,661.00	-----	3,346.09	8,330.89
3,815.01	1,991.55	312.50	-----	1,006.79	3,310.84
4,290.62	1,557.57	880.00	-----	1,745.53	4,183.10
98.40	50.00	15.00	-----	63.57	128.57
414.69	400.00	65.00	-----	-----	465.00
169.50	50.00	27.00	-----	95.26	172.26
249.46	200.00	15.00	-----	79.37	294.37
160.88	75.00	29.00	-----	74.18	178.18
508.21	411.00	53.00	-----	178.39	642.39
249.41	200.00	10.00	-----	41.21	251.21
178.39	160.00	21.00	-----	35.40	216.40
126.63	100.00	6.00	-----	28.98	134.98
637.13	340.00	90.00	-----	299.11	729.11
269.62	240.00	25.00	-----	67.04	332.04
683.41	520.00	100.00	-----	200.90	820.90
1,222.61	780.50	128.00	-----	335.68	1,244.18
419.45	400.00	5.00	-----	27.06	432.06
569.33	400.00	25.00	-----	174.35	599.35
323.96	240.00	11.00	-----	87.23	338.23
626.40	500.00	32.00	-----	116.28	648.28
586.75	320.00	48.00	-----	317.24	685.24
317.91	160.00	52.00	-----	134.65	346.65
636.99	460.00	94.00	-----	226.85	720.85
466.28	300.00	105.00	-----	157.38	562.38
72,127.53	44,547.66	2,965.44	-----	35,816.90	83,330.00

PRODUCT OF GOLD AND SILVER IN NE

County.	Name of mine.	Ore extracted.	
		Tons.	Lbs.
Eureka.....	Summit.....	10	1,401
	Star.....	11	1,894
	Whipporwill.....	84	922
	Borlyman.....	34	214
	Dunderberg.....	117	690
	Ferrell.....	28	1,815
	Grant.....	10	480
	Kentuck.....	13	588
	Leonie.....	69	489
	Members.....	61	1,581
	Macon City.....	20	1,807
	Monarch.....	4	1,479
	Sanchez.....	1	1,250
	Storm.....	7	1,490
	Silver Conner.....	218	839
	West End.....	32	382
	Cortez Limited.....	2,450	
	Aurora Cortez.....	15	
	Climax.....	17	1,886
	Diamond.....	83	995
	Mineral Hill.....	7	446
	Sweepstake.....	12	150
Total.....		43,654	640
Esmeralda.....	Durand.....	228	600
	Panlico.....	106	1,611
	Mount Diablo.....	8,187	1,756
	Champaign.....	5	637
	Garfield Limited Company.....	3,920	1,600
	Sentinel Mining Company.....	1,022	
	Georgene Milling and Mining Company.....	960	
	Evening Star.....	53	
	Baltimore.....	159	357
	Drinkwater.....	953	
	Consolidated Esmeralda.....	919	990
	Wheeler.....	232	
Total.....		16,747	1,571
Elko.....	North Belle Isle.....	2,210	1,400
	Grand Prize.....	471	
	Commonwealth.....	233	1,000
	Nevada Queen.....	978	1,400
	Navajo.....	762	1,680
	Found Treasure.....	1	1,288
Total.....		4,658	768

VADA FOR THE YEAR 1888—Continued.

Gross yield.	Cost of—		Cost of reduction.		Total cost.
	Mining.	Transportation.	Free milling.	Freiberg process.	
\$497.25	\$400.00	\$40.00	.....	\$107.00	\$547.00
1, 116.13	1, 100.00	60.00	.....	119.47	1, 279.47
2, 050.97	1, 300.00	243.00	.....	844.55	2, 387.55
739.02	400.00	170.00	.....	340.00	910.00
4, 191.09	7, 022.55	148.00	.....	1, 173.40	8, 343.95
570.67	120.00	58.00	.....	404.71	582.71
341.40	240.00	20.00	.....	102.40	362.40
644.23	520.00	56.00	.....	132.94	708.94
1, 130.24	480.00	110.00	.....	692.44	1, 282.44
809.02	200.00	94.00	.....	617.90	911.90
1, 896.57	1, 725.13	33.00	.....	209.03	1, 967.16
188.75	140.00	18.00	.....	47.39	205.39
220.12	200.00	15.00	.....	16.25	231.25
301.99	220.00	30.00	.....	77.45	327.45
3, 826.62	1, 116.00	654.00	.....	2, 184.19	3, 954.19
2, 787.79	2, 380.00	120.00	.....	372.70	2, 872.70
95, 000.00	31, 240.25	2, 150.00	.....	35, 655.23	69, 045.48
2, 990.85	2, 646.09	130.00	.....	240.00	3, 016.09
571.44	320.00	90.00	.....	215.31	625.31
2, 372.14	1, 800.00	315.00	.....	667.97	2, 782.97
1, 465.41	1, 360.00	62.00	.....	86.67	1, 508.67
1, 550.00	1, 226.00	268.00	.....	26.00	1, 520.00
1, 013, 341.26	390, 575.91	31, 027.26	.....	465, 972.02	887, 575.19
17, 556.55	6, 911.60	259.20	\$1, 368.00	.....	8, 538.80
104, 830.68	32, 190.62	461.93	1, 600.35	.....	34, 252.90
261, 434.71	109, 859.67	15, 751.90	93, 746.85	.....	219, 358.42
309.41	200.00	51.82	90.27	.....	342.09
142, 552.95	81, 748.44	17, 238.76	34, 695.69	.....	133, 682.89
14, 913.32	4, 642.16	5, 365.25	6, 421.38	.....	16, 428.79
14, 144.83	6, 219.20	212.32	4, 589.12	.....	11, 020.64
5, 963.15	3, 912.82	514.33	400.00	.....	4, 827.15
9, 916.54	4, 135.66	557.11	1, 565.00	.....	6, 257.77
17, 882.77	5, 239.60	5, 003.25	8, 694.78	.....	18, 937.63
26, 589.56	15, 985.49	990.50	6, 062.15	.....	23, 038.14
3, 984.63	2, 701.50	232.00	850.00	.....	3, 783.50
620, 079.10	273, 746.76	46, 638.37	160, 083.59	.....	480, 468.72
255, 176.74	128, 247.30	2, 211.00	.....	88, 440.00	218, 898.30
49, 180.96	38, 584.88	.....	.....	14, 974.82	53, 559.70
49, 747.38	102, 248.21	233.50	.....	9, 340.00	111, 821.71
126, 636.15	241, 501.98	978.70	.....	39, 148.00	281, 628.68
84, 177.22	70, 000.00	762.84	.....	19, 071.00	89, 833.84
246.95	525.00	26.00	.....	25.00	576.00
565, 165.40	581, 107.37	4, 212.04	.....	170, 998.82	756, 318.23

PRODUCT OF GOLD AND SILVER IN NE

County.	Name of mine.	Ore extracted.	
		Tons.	Lbs.
Humboldt.....	Paradise Valley Milling and Mining Company.....	2, 115	1, 000
	Cliff Mining Company.....	48	1, 670
	Morning Star Mining Company.....	440	.....
	Butte Mining Company.....	47	.....
	Total	2, 651	670
Lincoln.....	South Western Mining Company	1, 771	534
	J. Pujade.....	31	250
	Bingham & Co.....	5	.....
	E. H. Bawden*.....	50	575
	Bristol Syndicate.....	115	.....
	Onondaga*.....	90	901
	Yuba.....	170	1, 321
	Cave.....	98	.....
	Total	2, 331	1, 581
Lander.....	Pittsburg Consolidated Mining Company.....	10, 266	1, 600
	W. S. Wilson.....	102	600
	Silver Gray.....	64	139
	Clipper	15	.....
	J. A. Miller.....	4	1, 710
	Manhattan Mining Company	335	1, 247
	Total	10, 788	1, 296
Lyon.....	Independent Gold and Silver Mining Company.....	882	.....
	Haywood Gold and Silver Mining Company	1, 813	.....
	Oest Gold and Silver Mining Company	2, 354	.....
	Woodworth Mill Company.....	24, 954	.....
	J. M. Douglas & Co.....	17, 981	.....
	A. B. Fitch.....	2, 350	.....
	Jaynes Beale & Co	1, 400	.....
	Total	51, 734	.....
Nye.....	Horn Silver	15	594
	New Year	11	1, 227
	Barcelona.....	707	946
	Gila Silver Mining Company.....	4	708
	Bell of Reveille.....	3	1, 292
	Liberty .....	.....	1, 333
	Nye Mining Company	592	1, 080
	Ma Alta	218	65
	Air Shaft	100	650
	Cornish Ledge.....	21	1, 662
	Jefferson.....	7	584
	Sand Mound.....	37	1, 058
	Sapper.....	5	500
	Grant.....	12	105
	Unknown.....	15	591
	Total	1, 753	395

* Costs not all itemized on comptroller's statements.

VADA FOR THE YEAR 1888—Continued.

Gross yield.	Cost of—		Cost of reduction.		Total cost.
	Mining.	Transporta- tion.	Free milling.	Freiberg proc- ess.	
\$16,963.21	\$38,018.85	\$4,144.62	\$10,846.97	.....	\$53,010.44
377.84	2,902.95	45.00	3,572.52	.....	6,520.47
2,827.52	1,020.00	1,170.00	1,970.00	.....	4,160.00
4,700.00	960.00	658.00	4,000.00	.....	5,618.00
24,868.57	42,901.80	6,017.62	20,389.49	.....	69,308.91
39,465.35	12,896.83	4,941.55	15,323.55	.....	33,161.93
1,890.00	1,450.00	549.00	150.00	.....	2,149.00
300.00	250.00	125.00	75.00	.....	450.00
4,345.44	1,854.50	212.36	207.85	.....	4,689.53
297.75	550.00	12.98	.....	.....	562.98
5,860.53	1,468.05	.....	.....	.....	6,590.97
24,510.26	29,111.17	.....	.....	.....	29,111.17
7,086.85	1,176.00	1,366.00	4,014.07	.....	6,556.07
83,756.18	48,756.55	7,206.89	19,770.47	.....	83,271.65
107,548.09	64,597.47	3,963.93	.....	\$46,241.64	114,803.04
43,342.13	29,722.53	3,005.10	.....	1,843.20	34,570.83
5,614.05	7,614.20	1,058.81	.....	1,148.26	9,821.37
3,684.85	4,256.32	250.00	.....	240.00	4,746.32
559.90	2,000.00	7.50	.....	175.00	2,182.50
29,987.48	6,767.02	2,861.34	.....	23,181.93	32,810.29
190,736.41	114,957.64	11,146.68	.....	72,830.03	198,934.35
30,083.00	6,000.00	1,000.00	14,953.00	.....	21,953.00
23,917.44	12,527.28	2,226.94	9,915.00	.....	24,669.22
86,984.38	43,384.35	2,395.00	16,031.00	.....	61,810.35
60,813.94	.....	.....	55,348.14	.....	55,348.14
44,323.51	.....	8,052.40	35,487.80	.....	43,540.20
7,400.00	275.00	800.00	5,775.00	.....	6,850.00
6,650.00	.....	1,400.00	4,850.00	.....	6,250.00
260,172.27	62,186.63	15,874.34	142,359.94	.....	220,420.91
1,628.13	1,306.29	264.81	206.81	.....	1,777.91
889.66	500.63	328.45	104.39	.....	933.47
19,488.26	9,558.71	2,226.18	10,771.83	.....	22,556.72
827.13	718.00	128.28	54.00	.....	900.28
1,063.42	1,073.00	109.50	48.00	.....	1,230.50
25.88	150.00	20.00	12.00	.....	182.00
5,800.00	1,100.00	150.00	4,726.00	.....	5,976.00
4,729.99	3,690.49	1,915.87	2,559.90	.....	8,166.26
18,688.39	13,833.35	1,998.04	.....	.....	15,831.39
2,664.27	2,340.00	514.00	405.53	.....	3,259.53
2,277.47	2,245.08	205.46	97.65	.....	2,548.19
3,356.91	5,240.00	620.00	50.00	.....	5,910.00
394.00	240.00	125.00	50.00	.....	415.00
1,105.26	825.00	242.50	145.00	.....	1,212.50
2,559.65	2,120.00	493.00	160.85	.....	2,773.85
65,498.43	44,940.55	9,341.09	19,391.96	.....	73,673.60

PRODUCT OF GOLD AND SILVER IN NE

County.	Name of mine.	Ore extracted.	
		Tons.	Lbs.
Ormsby	Vivian mill	450	.....
Storey	Consolidated California and Virginia	143, 419	525
	Hale and Norcross	37, 218	1, 720
	Chollar Mining Company	9, 000	.....
	Potosi Mining Company	3, 050	.....
	Confidence Mining Company	34, 409	58
	Kentuek Mining Company	1, 027	.....
	Yellow Jacket Mining Company	28, 618	3
	Challenge Mining Company	3, 123	.....
	Savage Mining Company	5, 292	.....
	Alta Mining Company	946	.....
	Total	266, 103	306
White Pine	Argus	2, 984	.....
	Aultman	831	.....
	Exchequer	446	808
	Lucky Deposit	42	811
	Rescue	18	415
	Anderson	3	155
	Coraell	3	92
	Fair Play	22	456
	Imperial	13	1, 492
	Konigsburg	1	944
	Keystone	44	1, 131
	McQuitty	3	230
	Montezuma .....	.....	874
	Monte Christo	1	365
	Monitor	3, 444	.....
	Osceola Gravel Mining Company .....	.....	.....
	Paul	3	1, 283
	San Field .....	.....	1, 678
	Star	1, 229	.....
	Sundrie	27	391
	Fay	6	647
	Bay State	327	1, 599
	O. K	3	546
	Reliance	5	1, 130
	Roseo	24	95
	Sun Set	5	1, 600
	Western Central	4	1, 850
	Eagle	8	657
	Golden Treasurer	8	550
	Morning Star	794	.....
	Total	10, 307	1, 799

VADA FOR YEAR 1883—Continued.

Gross yield.	Cost of—		Cost of reduction.		Total cost.
	Mining.	Transportation.	Free milling.	Freiberg process.	
\$2, 732. 00	-----	\$450. 00	\$1, 687. 00	-----	\$2, 137. 00
3, 322, 262. 24	\$1, 146, 995. 47	-----	1, 003, 934. 83	-----	2, 150, 930. 30
951, 745. 29	140, 079. 00	-----	597, 294. 72	-----	737, 373. 72
134, 433. 75	94, 378. 04	-----	63, 000. 00	-----	157, 378. 04
56, 461. 16	35, 973. 88	-----	21, 350. 00	-----	57, 323. 88
725, 870. 42	281, 822. 39	7, 743. 76	242, 628. 03	-----	532, 194. 18
13, 055. 50	9, 756. 50	-----	6, 418. 75	-----	16, 175. 25
211, 671. 22	180, 139. 00	3, 516. 03	199, 155. 73	-----	382, 810. 76
55, 266. 97	34, 195. 59	2, 343. 75	20, 300. 90	-----	56, 840. 24
66, 422. 75	56, 588. 48	-----	50, 506. 90	-----	107, 095. 38
23, 330. 00	31, 667. 39	571. 00	-----	-----	32, 238. 39
5, 560, 519. 30	2, 011, 595. 74	14, 174. 54	2, 204, 589. 86	-----	4, 230, 360. 14
71, 026. 46	54, 318. 64	5, 896. 00	30, 164. 22	-----	90, 378. 86
5, 188. 66	2, 675. 00	831. 00	3, 153. 16	-----	6, 659. 16
5, 905. 15	4, 799. 50	558. 00	4, 014. 00	-----	9, 371. 50
2, 284. 79	1, 077. 00	956. 50	361. 40	-----	2, 594. 99
1, 895. 89	1, 450. 00	109. 00	12. 25	-----	1, 571. 25
91. 15	40. 00	30. 00	30. 77	-----	100. 77
203. 93	140. 00	40. 00	29. 45	-----	209. 45
924. 12	600. 00	130. 00	259. 24	-----	989. 24
604. 87	350. 00	170. 00	137. 45	-----	657. 45
83. 36	50. 00	20. 00	17. 55	-----	87. 55
3, 448. 25	2, 400. 00	675. 00	445. 65	-----	3, 520. 65
70. 04	40. 00	45. 00	31. 15	-----	116. 15
14. 66	5. 00	6. 00	4. 37	-----	15. 37
52. 36	40. 00	15. 00	14. 82	-----	69. 82
40, 155. 13	27, 550. 00	1, 118. 00	23, 627. 50	-----	52, 295. 50
10, 000. 00	10, 000. 00	-----	-----	-----	10, 000. 00
97. 66	30. 00	40. 00	36. 41	-----	106. 41
98. 15	85. 00	10. 00	8. 65	-----	103. 65
38, 529. 65	19, 100. 00	2, 890. 00	12, 900. 00	-----	34, 890. 00
719. 99	230. 00	250. 00	281. 94	-----	761. 94
447. 35	133. 57	84. 50	84. 94	-----	303. 01
3, 395. 65	3, 150. 75	196. 74	327. 89	-----	3, 675. 38
94. 48	62. 75	45. 00	32. 00	-----	139. 75
96. 63	55. 65	52. 50	72. 50	-----	180. 65
980. 91	508. 75	288. 75	243. 71	-----	1, 041. 21
186. 79	50. 00	113. 79	58. 00	-----	221. 79
275. 98	175. 00	59. 58	49. 25	-----	283. 83
509. 02	400. 00	100. 00	83. 28	-----	583. 28
293. 84	100. 00	125. 00	82. 75	-----	307. 75
26, 189. 69	10, 500. 00	1, 191. 00	7, 500. 00	-----	19, 191. 00
213, 864. 61	140, 116. 61	16, 046. 36	84, 064. 30	-----	240, 227. 27

Wells, Fargo & Co. report the production in Nevada for 1888 as follows:

Gold dust and bullion by express	\$2, 876, 275. 00
Silver bullion by express	6, 858, 520. 00
Ores and base bullion by freight	2, 570, 808. 00
Total	12, 305, 603. 00

GOLD AND SILVER PRODUCED FROM THE COMSTOCK LODE DURING THE YEAR 1888.

	Gold.	Silver.	Total.
Amount reported by Wells, Fargo & Co	\$3, 089, 700. 65	\$3, 921, 883. 47	\$7, 011, 584. 12
Amount deposited at United States mint at Carson, Nev., and not included in above statement.....	421, 267. 00	650, 295. 00	1, 071, 562. 00
Total product.....	3, 510, 967. 65	4, 572, 178. 47	8, 083, 146. 12

GOLD AND SILVER PRODUCTION OF THE COMSTOCK LODE FROM COMMENCEMENT OF OPERATIONS.

Years.	Gold.	Silver.	
1859 <i>a</i>	\$30, 000. 00	-----	\$30, 000. 00
1860 <i>a</i>	525, 000. 00	\$225, 000. 00	750, 000. 00
1861 <i>a</i>	2, 450, 000. 00	1, 050, 000. 00	3, 500, 000. 00
1862 <i>a</i>	4, 690, 000. 00	2, 010, 000. 00	6, 700, 000. 00
1863 <i>b</i>	7, 440, 000. 00	4, 960, 000. 00	12, 400, 000. 00
1864 <i>b</i>	9, 600, 000. 00	6, 400, 000. 00	16, 000, 000. 00
1865 <i>c</i>	7, 700, 231. 90	5, 133, 487. 93	12, 833, 719. 83
1866 <i>c</i>	8, 944, 736. 51	5, 962, 157. 67	14, 907, 894. 18
1867 <i>b</i>	8, 243, 170. 80	5, 495, 437. 20	13, 738, 608. 00
1868 <i>b</i>	5, 087, 851. 40	3, 391, 907. 60	8, 479, 769. 00
1869 <i>b</i>	4, 443, 346. 80	2, 962, 231. 20	7, 405, 578. 00
1870 <i>d</i>	5, 222, 595. 24	3, 481, 730. 16	8, 704, 325. 40
1871 <i>e</i>	6, 149, 717. 19	4, 099, 811. 46	10, 249, 528. 65
1872 <i>e</i>	7, 341, 839. 79	4, 894, 559. 86	12, 236, 399. 65
1873 <i>e</i>	13, 003, 187. 12	8, 668, 791. 41	21, 671, 978. 53
1874 <i>e</i>	13, 486, 071. 09	8, 990, 714. 06	22, 476, 785. 15
1875 <i>e</i>	15, 495, 312. 93	10, 330, 208. 61	25, 825, 521. 54
1876 <i>e</i>	18, 971, 196. 12	12, 647, 464. 08	31, 618, 660. 20
1877 <i>e</i>	21, 780, 922. 02	14, 520, 614. 68	36, 301, 536. 70
1878 <i>e</i>	11, 796, 838. 46	7, 864, 555. 65	19, 661, 394. 11
1879 <i>e</i>	4, 202, 091. 49	2, 801, 394. 33	7, 003, 485. 82
1880 <i>f</i>	3, 077, 409. 00	2, 051, 606. 00	5, 129, 015. 00
1881 <i>f</i>	645, 372. 00	430, 248. 00	1, 075, 620. 00
1882 <i>f</i>	1, 046, 078. 40	697, 385. 60	1, 743, 464. 00
1883 <i>f</i>	1, 203, 809. 30	802, 539. 53	2, 006, 348. 83
1884 <i>f</i>	1, 561, 313. 60	1, 277, 438. 40	2, 838, 752. 00
1885 <i>f</i>	1, 729, 531. 25	1, 415, 071. 04	3, 144, 602. 29
1886 <i>f</i>	2, 054, 920. 15	1, 681, 298. 31	3, 736, 218. 46
1887 <i>f</i>	2, 481, 176. 85	2, 030, 053. 78	4, 511, 230. 63
1888 <i>g</i>	3, 510, 967. 65	4, 572, 178. 47	8, 083, 146. 12
Total	193, 914, 697. 06	130, 848, 885. 03	324, 763, 582. 09

a From Corey, Paul, and Harris, three of the first quartz-mill men on Gold Cañon.

b From J. D. Hague's Report on Mining Industry of the Fortieth Parallel, 1870, competently corroborated.

c From the records of Wells, Fargo & Co.'s Express.

d From official mining data, corroborated and added to from trustworthy information.

e From sworn quarterly statements of mining companies to the assessor for bullion tax purposes.

f From the official records of mining companies, furnished by secretaries.

g From express shipments and deposits at the Carson Mint.

CHAPTER IX.

NEW MEXICO.

By FRANCIS N. HOLBROOK, EL PASO, TEXAS.

The product of New Mexico for the year 1888 was as follows :

Metals.	Fine ounces.	Coining value.
Gold	29, 152	\$602, 637
Silver	1, 093, 975	1, 414, 400
Total		2, 017, 037

It is impossible from returns at hand to give the output by counties or districts.

All of the reduction works to which ores were shipped from the Territory furnished complete returns. These returns, taken along with the amounts reported by mines not shipping ore, approximate closely the above estimate.

The returns from mines not shipping ore and from reduction works to which ores were shipped, may be distributed as follows :

PRODUCT OF NEW MEXICO, 1888.		
Mines.	Gold ounces.	Silver ounces.
Carlisle mine, Carlisle, Grant County	19, 803. 17	57, 908. 79
Lady Godiva, Lincoln County	181. 00	.....
Bell and Stevens, Pinos Altos, Grant County	2, 717. 73	.....
Lake Valley mines, Grant County	250. 00	240, 000. 00
Total	22, 951. 90	297, 908. 79
Returns of ore shipped to smelters	6, 200. 67	796, 065. 91
Total of mines and reduction works	29, 152. 57	1, 093, 974. 70

CHAPTER X.

OREGON.

By ISRAEL LAWTON,

Superintendent of United States Mint at San Francisco, Cal.

The product of the precious metals in the State of Oregon for the calendar year 1888 was, approximately, gold, \$825,000 ; silver, \$15,000 ; total, \$840,000.

PRODUCT OF OREGON, BY COUNTIES, 1888.			
Counties.	Gold.	Silver.	Total.
Baker.....	\$190, 000	\$5, 000	\$195, 000
Benton.....	5, 000	.....	5, 000
Coos.....	15, 000	.....	15, 000
Curry.....	20, 000	.....	30, 000
Douglas.....	35, 000	.....	35, 000
Grant.....	140, 000	10, 000	150, 000
Jackson.....	195, 000	.....	195, 000
Josephine.....	135, 000	.....	135, 000
Lane.....	5, 000	.....	5, 000
Madison.....	10, 000	.....	10, 000
Umatilla.....	20, 000	.....	20, 000
Union.....	15, 000	.....	15, 000
Washington.....	30, 000	.....	30, 000
Total.....	825, 000	15, 000	840, 000

CHAPTER XI.

TEXAS.

BY FRANCIS N. HOLBROOK, EL PASO, TEXAS.

The precious-metal returns from the State of Texas for the year 1888 show a decided increase over those of 1887.

Annexed will be found a table giving the production since 1885, or from the time when Texas first took place among the precious-metal producers of the United States:

PRODUCT OF SILVER IN TEXAS.		
Year.	Silver.	Coining value.
	<i>Fine ounces.</i>	
1885.....	169,342.00	\$218,942.27
1886.....	191,873.18	248,072.83
1887.....	235,998.94	305,123.04
1888.....	380,076.90	491,401.42

CHAPTER XII.

UTAH.

By A. HANAUER, SALT LAKE CITY.

PRODUCT OF UTAH, BY COUNTIES, 1888.			
	Ore, tons.	Gold, ounces.	Silver, ounces.
SUMMIT COUNTY.			
Ontario:			
Tons milled..... 25,000			
Sold to smelters..... 7,700			
	32,700	1,058	2,005,588
Daly:			
Tons milled..... 21,000			
Sold to smelters..... 2,500			
	23,500	905	1,094,750
Cresecent:			
Crude ore..... 2,250			
Concentrates..... 2,550			
	4,800	344	190,438
Woodside.....	1,710	170	80,500
Sampson.....	350	33	18,000
Apex.....	145	33	4,650
Sundry small shipments of the Southern Tier, Jupiter, Massachusetts, and other mines, aggregating.....	50	18	4,200
Total.....	63,255	2,561	3,398,126
SALT LAKE COUNTY.			
Bingham Cañon:			
The Lead Mine.....	13,626	805	115,000
Brooklyn.....	4,088	220	44,400
Old Telegraph mine and dump.....	3,711	160	46,600
South Galena.....	2,832	1,465	58,806
Spanish.....	1,633	125	20,000
Yosemite.....	1,150	55	16,200
Yosemite No. 2.....	1,007	40	7,555
Old Jordan.....	430	68	4,418
Lucky Boy.....	266	32	21,794
Dixon.....	615	50	9,200
Greeley.....	480	125	9,400
Nast.....	520	32	5,500
Winamuck.....	610	130	88,000
Markham.....	520	25	6,440
Sundry small shippers, aggregating.....	2,100	200	30,500
Total output of Bingham Cañon.....	33,588	3,532	483,813

PRODUCT OF UTAH, BY COUNTIES, 1888—Continued.

	Ore, tons.	Gold, ounces.	Silver, ounces.
SALT LAKE COUNTY—continued.			
Big and Little Cottonwood:			
Maxfield.....	1, 047	210	51, 400
City Rocks.....	220	-----	8, 800
Antelope and Prince of Wales.....	100	-----	14, 200
Sundry small shippers, aggregating.....	133	66	10, 300
Total output of the Cottonwoods.....	1, 500	276	81, 700
Bingham Cañon.....	33, 588	3, 532	483, 813
The Cottonwoods.....	1, 500	276	81, 700
Total for Salt Lake County.....	35, 088	3, 808	565, 513
JUAB COUNTY.			
Eureka Hill.....	8, 458	600	527, 600
Bullion Beck and California.....	5, 866	880	373, 000
Mammoth mine.....	4, 626	2, 847	109, 401
Mammoth dump.....	1, 850	570	22, 200
Mammoth tailings.....	2, 418	1, 135	29, 015
Centennial Eureka.....	485	413	65, 474
Red Bird.....	300	30	9, 180
American Eagle.....	120	120	5, 000
Lombard and Reedy.....	160	75	5, 500
Sundry small shippers, aggregating.....	1, 377	440	55, 250
Total.....	25, 660	7, 110	1, 201, 620
TOOELE COUNTY.			
Honerine:			
Crude ore.....	120	} 100	{ 4, 000
Concentrates.....	2, 066		
Niedringhaus group, comprising Calumet and Hecla, Silver King, Muscatine, and Consolidated Company's mines.....	1, 800	75	42, 000
Utah Queen.....	200	35	14, 500
Monarch.....	120	30	7, 200
Utah Gem.....	44	-----	4, 613
Sundry small shipments, aggregating.....	2, 450	170	107, 500
Total.....	6, 800	410	225, 263
BEAVER COUNTY.			
Horn Silver.....	4, 000	-----	88, 450
Sundry small shippers, aggregating.....	2, 310	125	102, 650
Total.....	6, 310	125	191, 100
WASHINGTON COUNTY.			
Product of the Silver Reef district, principally the Christy and La Virgin mills, fine bars containing.....			263, 466
To which add silver contained in sulphides shipped to reduction works.....			3, 000
Total.....			266, 466

GOLD AND SILVER PRODUCED IN THE TERRITORY OF UTAH DURING THE CALENDAR YEAR 1888, TABULATED BY COUNTIES.

RECAPITULATION.

Counties.	Gold.	Silver.
	<i>Ounces.</i>	<i>Ounces.</i>
Summit	2,561	3,398,126
Salt Lake	3,808	565,512
Juab	7,110	1,201,620
Tooele	410	225,263
Beaver	125	191,109
Washington		266,466
Total	14,014	5,848,088

GOLD AND SILVER PRODUCED BY SMELTERS IN UTAH, AND SHIPPED TO OUTSIDE REFINERIES AND REDUCTION WORKS DURING THE CALENDAR YEAR 1888.

Works.	Gold.	Silver.
	<i>Ounces.</i>	<i>Ounces.</i>
Smelters:		
Hanauer Smelting Works	2,363	522,550
Germania Lead Works	2,386	442,137
Mingo Furnace Company	2,276	247,768
Mills:		
Ontario Silver Mining Company		1,074,965
Daly Mining Company	587	856,437
Silver Reef Mills		263,466
Gold and silver in ores and matte shipped to reduction works outside of the Territory	6,402	2,440,765
Total	14,014	5,848,088

PRODUCTION OF UTAH FOR THE CALENDAR YEARS 1887 AND 1888.

Years.	Gold.	Silver.
	<i>Ounces.</i>	<i>Ounces.</i>
1887	11,087	6,050,550
1888	14,014	5,848,088
Increase gold	2,927	
Decrease silver		202,462

WELLS, FARGO & CO.'S STATEMENT OF THE MINERAL PRODUCT OF UTAH FOR 1888.

Works.	Copper.	Lead unrefined.	Silver in bars	Silver in base bull- ion and ores.	Gold in bars.	Gold in bullion and ores.
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Ounces.</i>	<i>Ounces.</i>	<i>Ounces.</i>	<i>Ounces.</i>
Germania Lead Works	499, 250	7, 072, 700	.....	442, 137	.....	2, 386
Hanauer Smelter .....	.....	9, 882, 000	.....	522, 550	.....	2, 363
Mingo Furnace Company	256, 519	5, 129, 100	.....	247, 768	.....	2, 276
Daly Mining Company .....	.....	1, 283, 162	856, 438	238, 311	588	318
Ontario Silver Mining Company .....	.....	1, 924, 702	1, 074, 965	930, 623	.....	1, 058
Silver Reef district .....	.....	.....	263, 466	3, 000	.....	.....
Other mines and placers .....	.....	.....	1, 769	.....	444	.....
Net product bars and base bullion	755, 769	25, 291, 664	2, 196, 638	2, 381, 389	1, 032	8, 401
Contents ore shipped .....	.....	18, 150, 778	.....	1, 393, 100	.....	4, 015
Contents copper, ore, bullion, and matte shipped	2, 131, 047	1, 124, 715	.....	204, 728	.....	408
Total	2, 886, 816	44, 567, 157	2, 196, 638	3, 982, 217	1, 032	12, 854

RECAPITULATION.

Metals.	Quantity.	Value.
Copper at 10 cents per pound	2, 886, 816 pounds..	\$288, 681. 60
Unrefined lead at \$54 per ton	44, 567, 157 do...	1, 203, 313. 23
Fine silver at 93½ cents per ounce	6, 178, 855 ounces..	5, 787, 527. 51
Fine gold at \$20 per ounce	13, 886 do ..	277, 720. 00
Total export value .....	.....	7, 557, 242. 34

Computing the gold and silver at their mint valuation, and other metals at their value at the seaboard, would increase the value of the product to \$10,993,781.02.

Comparative statement, showing the quantity of the silver and gold contained in base bullion and ores produced in Utah.

Year.	Total silver pro- duced.	Total gold produced.	Silver in ores and base bullion.	Gold in ores and base bullion.	Total silver product.	Total gold product.
	<i>Ounces.</i>	<i>Ounces.</i>	<i>Ounces.</i>	<i>Ounces.</i>	<i>Per cent.</i>	<i>Per cent.</i>
1877.....	4, 359, 703	17, 325	2, 102, 098	11, 035	48. 2	63. 6
1878.....	4, 357, 328	15, 040	2, 108, 339	10, 165	48. 3	67. 5
1879.....	3, 835, 047	15, 932	1, 797, 589	5, 693	46. 8	35. 7
1880.....	3, 783, 566	8, 020	1, 403, 819	2, 878	37. 1	35. 8
1881.....	5, 400, 101	7, 958	2, 643, 899	2, 622	48. 9	32. 9
1882.....	5, 435, 444	9, 039	2, 581, 789	5, 016	47. 3	55. 5
1883.....	4, 531, 763	6, 991	2, 351, 190	5, 597	51. 8	80. 0
1884.....	5, 669, 488	5, 530	3, 253, 984	3, 806	57. 4	68. 8
1885.....	5, 972, 689	8, 903	3, 189, 576	7, 289	53. 4	81. 8
1886.....	5, 918, 842	10, 577	2, 828, 263	8, 369	47. 9	79. 1
1887.....	6, 161, 737	11, 387	4, 049, 273	10, 714	65. 7	94. 0
1888.....	6, 178, 855	13, 886	3, 982, 217	12, 854	64. 4	92. 5

CHAPTER XIII.

WASHINGTON TERRITORY.

By ISRAEL LAWTON,

Superintendent of the United States Mint at San Francisco, Cal.

The bullion product of Washington Territory for the calendar year 1888 is estimated to have been: Gold, \$145,000; silver, \$160,000; total, \$305,000.

PRODUCT OF WASHINGTON TERRITORY, BY COUNTIES, 1888.			
Counties.	Gold.	Silver.	Total.
Jefferson	\$10, 000	.....	\$10, 000
K ttitass	60, 000	.....	60, 000
Spokane	15, 000	.....	15, 000
Stevens	30, 000	\$160, 000	190, 000
Walla Walla	5, 000	.....	5, 000
Whitman	10, 000	.....	10, 000
Yakima	15, 000	.....	15, 000
Total	145, 000	160, 000	305, 000

CHAPTER XIV.

MINES OF THE APPALACHIAN RANGE.

By ROBERT P. WARING,

Assayer in charge of United States Assay Office at Charlotte, N. C.

NORTH CAROLINA.

The total product of precious metals in North Carolina in 1888 was \$138,976.56, viz:

Metals.	Fine ounces	Coining rate.	Purchasing rate.
Gold.....	6,602	\$136,476.56	\$136,476.56
Silver.....	2,713	3,500.00	2,500.00
Total		139,976.56	138,976.56

Of the product for 1888 \$2,500 was silver (coining rate \$3,500). Some \$45,000 was reported shipped out of the country. The value of the trifling amount of ore shipped from the State is included in the above estimate.

PRODUCTION OF NORTH CAROLINA, BY COUNTIES, 1888.		
Counties.	1887.	1888.
Burke, McDowell, and Rutherford.....	\$17,000.00	\$13,373.50
Cabarrus	26,000.00	23,502.55
Caldwell and mountain section	1,000.00	234.20
Franklin, Nash, and Warren	1,000.00	4,212.71
Gaston	6,000.00	11,043.83
Guilford, Davidson, Randolph, and Montgomery.....	226,000.00	50,611.91
Henderson.....	2,500.00	250.00
Lincoln		1,511.63
Mecklenburgh.....	16,500.00	10,376.31
Moore	5,000.00	1,013.32
Polk.....	250.00	250.00
Rowan.....	11,000.00	7,634.54
Stanly	4,000.00	3,784.73
Union.....	4,000.00	9,511.42
Miscellaneous	1,500.00	1,665.91
Total	\$321,750.00	138,976.56

* Bureau's estimate for 1887, \$230,000.

SOUTH CAROLINA.

The extent of mining work in this State was less than in 1887, the amount produced in 1888 being:

Metals.	Fine ounces.	Coining rate.	Purchasing rate.
Gold	1, 894. 075	\$39, 150. 54	\$39, 150. 54
Silver	163. 040	210. 32	150. 00
Total		39, 360. 86	39, 300. 54

The annexed table shows the distribution by counties in comparison with 1887:

PRODUCTION OF SOUTH CAROLINA, BY COUNTIES, 1888.		
Counties.	1887.	1888.
Lancaster and Chesterfield	\$47, 000. 00	\$35, 480. 60
Spartanburgh, Union, and York	4, 000. 00	800. 12
Miscellaneous	1, 500. 00	3, 019. 82
Total	52, 500. 00	39, 300. 54

The amount of silver was approximately \$150 (coining rate \$210).
A decrease of yield of about \$13,000 is indicated.

GEORGIA.

The production of precious metals in Georgia decreased from \$115,500 in 1887 to \$104,836.77 in 1888.

The classification between gold and silver is as follows:

Metals.	Fine ounces.	Coining rate.	Purchasing rate.
Gold	5, 049. 345	\$104, 380. 02	\$104, 380. 02
Silver	353. 260	456. 75	325. 00
Total		104, 836. 77	104, 705. 02

The comparison by counties is given below:

PRODUCTION OF GEORGIA, BY COUNTIES.		
Counties.	1887.	1888.
Rabun and Habersham	\$1, 500. 00	\$450. 36
Lincoln and Wilkes	500. 00	1, 800. 93
McDuffie and Warren	7, 500. 00	7, 909. 55
White	15, 000. 00	16, 831. 98
Lumpkin	47, 500. 00	43, 274. 95
Dawson	2, 500. 00	464. 53
Cherokee	23, 000. 00	11, 953. 64
Towns, Union, Gilmer, Fannin, Carroll, etc	3, 000. 00	3, 122. 59
Hancock to Merriwether	1, 000. 00	1, 856. 44
Miscellaneous	14, 000. 00	17, 040. 05
Total	115, 500. 00	104, 705. 02

ALABAMA.

In Alabama the yield of gold and silver in 1888, so far as could be elicited by correspondence, was as follows:

Metals.	Fine ounces.	Coining rate.	Purchasing rate.
Gold	269.714	\$5,575.00	\$5,575.00
Silver	27.170	35.13	25.00
Total		5,610.13	5,600.00

This shows a small increase over 1887.

STATES OF THE APPALACHIAN RANGE.

SUMMARY OF PRODUCT OF PRECIOUS METALS, 1888.

Metals.	North Carolina.			South Carolina.		
	Fine ounces.	Coining rate.	Purchasing rate.	Fine ounces.	Coining rate.	Purchasing rate.
Gold	6,602.000	\$136,476.56	\$136,476.56	1,894.075	\$39,150.54	\$39,150.54
Silver	2,713.000	3,500.00	2,500.00	163.040	210.32	150.00
Total		139,976.56	138,976.56		59,360.86	39,300.54

Metals.	Georgia.			Alabama.		
	Fine ounces.	Coining rate.	Purchasing rate.	Fine ounces.	Coining rate.	Purchasing rate.
Gold	5,049.345	\$104,380.02	\$104,380.02	269.714	\$5,575.00	\$5,575.00
Silver	353.260	456.75	325.00	27.170	35.13	25.00
Total		104,836.77	104,705.02		5,610.13	5,600.00

PART III.

GENERAL STATISTICS.

I.—DEPOSITS AND PURCHASES OF GOLD AND SILVER, BY WEIGHT, DURING

Description.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
GOLD.	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
United States bullion (domestic production).....	8, 228. 170	938, 535. 423	66, 970. 823	.....
United States coin.....	3, 963. 419	109. 375	.....	2, 688. 204
Foreign bullion.....	2, 463. 059	39, 522. 289	.....	1, 219. 609
Foreign coin.....	121. 473	182, 096. 060	.....	807. 803
Jewelers' bars, old plate, etc.....	48, 969. 561	1, 355. 881	.....	2, 402. 148
Total.....	63, 745. 682	1, 161, 619. 028	66, 970. 823	7, 117. 764
Re-deposits:				
Fine bars.....	17. 061	.....	.....	.....
Unparted bars.....	182, 438. 947	.....	.....	.....
Total gold received.....	246, 201. 690	1, 161, 619. 028	66, 970. 823	7, 117. 764
SILVER.				
United States bullion (domestic production).....	18, 484, 189. 46	205, 468. 13	1, 006, 116. 20	9, 874, 344. 59
United States coin.....	386, 775. 59	159. 82	.....	1, 581. 09
United States coin, trade-dollars.....	2, 425. 15	9. 57	.....	26. 77
Foreign bullion.....	24, 031. 00	612, 969. 17	.....	8, 837. 10
Foreign coin.....	2, 209. 38	1. 19	.....	23, 305. 78
Jewelers' bars, old plate, etc.....	188, 107. 74	390. 28	.....	17, 598. 43
Total.....	19, 087, 738. 32	818, 998. 16	1, 006, 116. 20	9, 925, 713. 76
Re-deposits:				
Fine bars.....	45, 655. 15	10, 496. 81	995. 55	.....
Unparted bars.....	134, 566. 66	.....	.....	.....
Total silver received.....	19, 267, 960. 13	829, 494. 97	1, 007, 111. 75	9, 925, 713. 76
Gold and silver deposits and purchases.....	19, 151, 484. 002	1, 980, 617. 188	1, 073, 087. 023	9, 932, 831. 524
Re-deposits:				
Gold.....	182, 456. 008	.....	.....	.....
Silver.....	180, 221. 81	10, 496. 81	995. 55	.....
Total gold and silver received...	19, 514, 161. 820	1, 991, 113. 998	1, 074, 082. 573	9, 932, 831. 524

IG THE CALENDAR YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Stand. ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
462,057.892	78,806.989	29,383.967	53,612.202	8,099.249	8,462.617	1,654,157.332
20,249.541	93.792	.....	11.029	.....	185.138	27,300.498
72,785.869	.....	.....	.....	.....	237.317	116,228.143
79,856.555	.....	.....	.....	.....	98.700	262,980.591
114,323.065	478.761	.....	103.655	120.151	2,012.291	169,765.513
749,272.922	79,379.542	29,383.967	53,726.886	8,219.400	10,996.063	2,230,432.077
195,083.564	.....	.....	.....	.....	.....	195,100.625
317.265	858.687	9,130.775	4,207.654	.....	244.578	197,197.906
944,673.751	80,238.229	38,514.742	57,934.540	8,219.400	11,240.641	2,632,730.608
3,536,899.08	18,921.64	22,418.19	17,825.27	1,120.15	4,118.00	33,171,420.71
1,968.48	.....	.....	2.92	.....	152.96	390,640.86
2,467.28	.....	.....	.....	.....	.....	4,928.77
723,659.31	.....	.....	.....	.....	1,295.34	1,370,811.92
20,150.86	.....	.....	.....	.....	.....	45,667.21
320,435.24	322.98	.....	72.32	64.39	2,328.70	529,320.08
4,605,580.25	19,244.62	22,418.19	17,900.51	1,184.54	7,895.00	35,512,789.55
9,061.11	.....	.....	.....	.....	.....	66,208.62
4,036.67	384.23	5,489.09	2,642.96	.....	656.96	147,776.57
4,618,678.03	19,628.85	27,907.28	20,543.47	1,184.54	8,551.96	35,726,774.74
5,354,853.172	98,624.162	51,802.157	71,627.396	9,403.940	18,891.063	37,743,221.627
195,400.829	858.687	9,130.775	4,207.654	.....	244.578	392,298.531
13,097.78	384.23	5,489.09	2,642.96	.....	656.96	213,985.19
5,563,351.781	99,867.079	66,422.022	78,478.010	9,403.940	19,792.601	38,349,505.348

II.—DEPOSITS AND PURCHASES OF GOLD AND SILVER, BY VALUE,

Description.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
GOLD.				
United States bullion (domestic production).....	\$153,082.23	\$17,461,124.14	\$1,245,968.80	.....
United States coin	73,738.03	2,034.88	.....	\$50,013.10
Foreign bullion	45,824.35	735,298.40	.....	22,690.40
Foreign coin	2,259.96	3,387,833.67	.....	15,028.89
Jewelers' bars, old plate, etc	911,061.60	25,225.69	.....	44,691.12
Total.....	1,185,966.17	21,611,516.78	1,245,968.80	132,423.51
Re-deposits:				
Fine bars	317.41	.....	.....	.....
Unparted bars	3,394,212.97	.....	.....	.....
Total gold received.....	4,580,496.55	21,611,516.78	1,245,968.80	132,423.51
SILVER.				
United States bullion (domestic production).....	21,508,875.00	239,090.18	1,170,753.29	11,490,146.41
United States coin	450,066.14	185.97	.....	1,839.81
United States coin, trade-dollars	2,821.99	11.14	.....	31.15
Foreign bullion	27,963.34	713,273.21	.....	10,306.44
Foreign coin	2,570.91	1.38	.....	27,119.45
Jewelers' bars, old plate, etc.....	218,889.01	454.14	.....	20,478.17
Total.....	22,211,186.39	953,016.02	1,170,753.39	11,549,921.43
Re-deposits:				
Fine bars	53,125.99	12,214.46	1,158.47	.....
Unparted bars	156,586.66	.....	.....	.....
Total silver received.....	22,420,899.04	965,230.48	1,171,911.86	11,549,921.43
Gold and silver deposits and purchases.	23,397,152.56	22,564,532.80	2,416,722.19	11,682,344.94
Re-deposits:				
Gold	3,394,530.38	.....	.....	.....
Silver	209,712.65	12,214.46	1,158.47	.....
Total gold and silver received...	27,001,395.59	22,576,747.26	2,417,880.66	11,682,344.94

DURING THE CALENDAR YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
\$8,596,425.90	\$1,466,176.53	\$546,678.45	\$997,436.31	\$150,683.70	\$157,444.03	\$30,775,020.09
376,735.65	1,744.97	.....	205.19	.....	3,444.43	507,916.25
1,354,155.70	.....	.....	.....	.....	4,415.20	2,162,384.05
1,485,703.35	.....	.....	.....	.....	1,836.28	4,892,662.15
2,126,940.74	8,907.18	.....	1,928.47	2,235.37	37,437.97	3,158,428.14
13,939,961.34	1,476,828.68	546,678.45	999,569.97	152,919.07	204,577.91	41,496,410.68
3,629,461.66	.....	.....	.....	.....	.....	3,629,779.07
5,902.60	15,975.57	169,874.88	78,281.93	.....	4,550.29	3,668,798.24
17,575,325.60	1,492,804.25	716,553.33	1,077,851.90	152,919.07	209,128.20	48,794,987.99
4,115,664.37	22,017.90	26,086.62	20,742.12	1,303.44	4,791.86	38,599,471.29
2,290.60	.....	.....	3.40	.....	177.99	454,563.91
2,871.02	.....	.....	.....	.....	.....	5,735.30
842,076.29	.....	.....	.....	.....	1,507.30	1,595,126.58
23,448.27	.....	.....	.....	.....	.....	53,140.01
372,870.10	375.83	.....	84.15	74.93	2,709.76	615,936.09
5,359,220.65	22,393.73	26,086.62	20,829.67	1,378.37	9,186.91	41,323,973.18
10,543.83	.....	.....	.....	.....	.....	77,012.75
4,697.21	447.10	6,387.30	3,075.44	.....	764.46	171,958.17
5,374,461.69	22,840.83	32,473.92	23,905.11	1,378.37	9,951.37	41,572,974.10
19,299,181.99	1,499,222.41	572,765.07	1,020,399.64	154,297.44	213,764.82	82,820,383.86
3,635,364.26	15,975.57	169,874.88	78,281.93	.....	4,550.29	7,298,577.31
15,241.04	447.10	6,387.30	3,075.44	.....	764.46	249,000.92
22,949,787.29	1,515,645.08	749,027.25	1,101,757.01	154,297.44	219,079.57	90,367,962.09

III.—DEPOSITS OF UNREFINED GOLD OF DOMESTIC PRODUCTION, WITH THE STATES
DISTRIBUTED, DURING THE CALENDAR

Locality.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
Alabama	11. 012			
Alaska		12, 493. 190		
Arizona	202. 892	8, 996. 025		
California	390. 351	175, 672. 342	92. 737	
Colorado	253. 716	84. 914		
Dakota	1, 379. 314			
Georgia	1, 957. 586			
Idaho	4. 882	9, 095. 751		
Maryland	116. 869			
Michigan	91. 329			
Montana	504. 189	2, 078. 610		
Nevada		16, 853. 121	66, 878. 086	
New Mexico	68. 424	6. 213		
North Carolina	1, 608. 398			
Oregon	231. 942	17, 252. 488		
South Carolina	69. 845			
Tennessee	18. 981			
Utah		1, 197. 454		
Virginia	307. 005			
Washington	68. 844	1, 711. 022		
Wyoming	259. 889			
Other sources	592. 702	62. 578		
Total unrefined	8, 228. 170	245, 503. 708	66, 970. 823	
Refined		693, 031. 715		
Grand total	8, 228. 170	938, 535. 423	66, 970. 823	

AND TERRITORIES PRODUCING THE SAME, AND OF REFINED DOMESTIC BULLION NOT
YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
				3.450	64.978	79.440
						12,493.190
975.684	4,445.977				105.928	14,726.506
311.102					100.108	176,566.640
27,939.400	69,520.010				2,519.195	100,317.235
133,398.848	8.292				19.479	134,805.933
116.190				3,184.238		5,258.014
695.497	228.504	26,398.991	6,517.673		820.207	43,761.505
						116.869
1,694.542						1,785.871
51,666.553			46,394.425			100,643.777
14.325						83,745.532
19,153.887	3,520.533				4,744.910	27,493.967
105.393				2,960.688		4,764.479
	474.997	2,984.976				20,944.403
				1,940.821		2,010.666
29.805						48.786
50.355					39.193	1,287.077
33.093				10.052		350.150
			689.588			2,469.454
52.200	608.676					920.765
29,935.758			10.516		48.614	30,650.168
266,172.632	78,806.989	29,383.967	53,612.202	8,099.249	8,462.617	765,240.357
195,835.260						888,916.975
462,057.892	78,806.989	29,383.967	53,612.202	8,099.249	8,462.617	1,654,157.332

IV.—DEPOSITS OF UNREFINED SILVER OF DOMESTIC PRODUCTION, WITH THE BULLION NOT DISTRIBUTED, DURING THE

Locality.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
Alabama .....	.89			
Alaska		1,588.86		
Arizona	143.72	2,118.00		
California	37.92	24,369.89	51.34	
Colorado	586.26	5.76		442.48
Dakota	103.96			
Georgia	177.59			
Idaho	139.52	2,502.66		
Maryland .....	.83			
Michigan	4,339.63			
Montana	183.92	156.77		
Nevada		99,146.48	1,006,064.86	
New Mexico	45.93	1.23		
North Carolina	1,656.73			
Oregon	52.15	2,736.79		
South Carolina	11.71			
Tennessee .....	.48			
Utah		48,311.32		
Virginia	35.57			
Washington	9.61	281.66		
Wyoming	24.93			
Other sources	200.92	46.89		
Total unrefined	7,752.27	181,266.31	1,006,116.20	442.48
Refined	18,476,437.19	24,201.82		9,873,902.11
Grand total	18,484,189.46	205,468.13	1,006,116.20	9,874,344.59

STATES AND TERRITORIES PRODUCING THE SAME, AND OF REFINED DOMESTIC
CALENDAR YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotto.	Saint Louis.	
<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
					20.88	21.77
						1,388.86
79,365.14	1,138.44				42.42	82,896.72
53.31					29.03	24,541.49
17,447.90	16,768.86				1,136.07	36,387.33
25,745.08	1.50				3.76	25,854.39
10.11				235.91		423.61
18,231.66	27.45	21,836.36	1,162.86		107.72	44,008.23
						.83
46,144.96						50,484.59
338,174.96			16,508.17			355,023.82
2.60						1,105,213.94
208,640.59	610.05				2,749.66	212,047.46
23.37				715.67		2,395.77
	92.07	581.83				3,462.84
				168.57		180.28
						.48
739.05					5.34	49,055.71
1.49						37.06
			152.67			443.94
7.94	283.27					316.14
134,957.89			1.57		24.12	135,231.39
869,546.05	18,921.64	22,418.19	17,825.27	1,120.15	4,118.00	2,129,526.56
2,667,353.03						31,041,894.15
3,536,899.08	18,921.64	22,418.19	17,825.27	1,120.15	4,118.00	33,171,420.71

V.—DEPOSITS OF UNREFINED GOLD OF DOMESTIC PRODUCTION, WITH THE STATES NOT DISTRIBUTED, DURING THE CALENDAR

Locality.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
Alabama	\$204. 88			
Alaska		\$232, 431. 44		
Arizona	3, 774. 74	167, 367. 91		
California	7, 262. 34	3, 268, 322. 64	\$1, 725. 34	
Colorado	4, 720. 30	1, 579. 79		
Dakota	25, 661. 65			
Georgia	36, 420. 20			
Idaho	90. 83	169, 223. 27		
Maryland	2, 174. 31			
Michigan	1, 699. 14			
Montana	9, 380. 26	38, 671. 81		
Nevada		313, 546. 44	1, 244, 243. 46	
New Mexico	1, 273. 01	115. 59		
North Carolina	31, 598. 10			
Oregon	4, 315. 20	320, 976. 52		
South Carolina	1, 299. 44			
Tennessee	353. 14			
Utah		22, 278. 21		
Virginia	5, 711. 72			
Washington	1, 280. 82	31, 832. 97		
Wyoming	4, 835. 14			
Other sources	11, 027. 01	1, 164. 24		
Total unrefined	153, 082. 23	4, 567, 510. 83	1, 245, 968. 80	
Refined		12, 893, 613. 31		
Grand total	153, 082. 23	17, 461, 124. 14	1, 245, 968. 80	

AND TERRITORIES PRODUCING THE SAME, AND OF REFINED DOMESTIC BULLION
YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
				\$64. 19	\$1, 208. 89	\$1, 477. 96
						232, 431. 44
\$18, 152. 26	\$82, 715. 85				1, 970. 75	273, 981. 51
5, 787. 94					1, 862. 48	3, 284, 960. 74
519, 802. 79	1, 293, 395. 54				46, 868. 74	1, 866, 367. 16
2, 481, 839. 03	154. 27				362. 40	2, 508, 017. 35
2, 161. 67				59, 241. 63		97, 823. 50
12, 939. 48	4, 251. 24	\$491, 144. 02	\$121, 259. 03		15, 259. 66	814, 167. 53
						2, 174. 31
31, 526. 36						33, 225. 50
961, 238. 20			863, 152. 09			1, 872, 442. 36
266. 51						1, 558, 056. 41
356, 351. 39	65, 498. 28				88, 277. 40	511, 515. 67
1, 960. 80				55, 082. 57		88, 641. 47
	8, 837. 15	55, 534. 43				389, 663. 30
				36, 108. 30		37, 407. 74
554. 51						907. 65
936. 84					729. 26	23, 944. 31
615. 68				187. 01		6, 514. 41
			12, 829. 54			45, 943. 33
971. 16	11, 324. 20					17, 130. 50
556, 944. 34			195. 65		904. 45	570, 235. 69
4, 952, 048. 96	1, 466, 176. 53	546, 678. 45	997, 436. 31	150, 683. 70	157, 444. 03	14, 237, 029. 84
3, 644, 376. 94						16, 537, 990. 25
8, 596, 425. 90	1, 466, 176. 53	546, 678. 45	997, 436. 31	150, 683. 70	157, 444. 03	30, 775, 020. 09

**VI.—DEPOSITS OF UNREFINED SILVER OF DOMESTIC PRODUCTION, WITH THE STATES
DISTRIBUTED, DURING THE CALENDAR**

Locality.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
Alabama	\$1. 04			
Alaska		\$1, 848. 85		
Arizona	167. 24	2, 464. 58		
California	44. 12	28, 357. 69	\$59. 74	
Colorado	682. 19	6. 70		\$514. 88
Dakota	120. 97			
Georgia	206. 65			
Idaho	162. 35	2, 912. 19		
Maryland .....	. 97			
Michigan	5, 049. 75			
Montana	214. 02	182. 42		
Nevada		115, 370. 45	1, 170, 693. 65	
New Mexico	53. 45	1. 43		
North Carolina	1, 927. 83			
Oregon	60. 68	3, 184. 63		
South Carolina	13. 63			
Tennessee .....	. 56			
Utah		55, 216. 81		
Virginia	41. 39			
Washington	11. 18	327. 75		
Wyoming	29. 01			
Other sources	233. 80	54. 56		
Total unrefined	9, 020. 83	210, 928. 06	1, 170, 753. 39	514. 88
Refined	21, 499, 854. 17	28, 162. 12		11, 489, 631. 53
Grand total	21, 508, 875. 00	239, 090. 18	1, 170, 753. 39	11, 490, 146. 41

AND TERRITORIES PRODUCING THE SAME, AND OF REFINED DOMESTIC BULLION NOT YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
					\$24.30	\$25.34
						1,848.85
\$92,352.16	\$1,324.73				48.20	96,356.91
62.03					33.78	28,557.36
20,303.01	19,512.85				1,321.97	42,341.60
29,957.91	1.75				4.38	30,085.01
11.77				\$274.51		492.93
21,215.02	31.94	\$25,409.58	\$1,353.14		125.35	51,209.57
						.97
53,695.95						58,745.70
393,512.68			19,209.50			413,118.62
3.03						1,286,067.13
242,781.78	709.88				3,199.60	246,746.14
27.19				832.78		2,787.80
	107.13	677.04				4,029.48
				196.15		209.78
						.56
859.99					6.21	57,083.01
1.73						43.12
			177.65			516.58
9.24	329.62					367.87
157,041.91			1.83		28.07	157,360.17
1,011,835.40	22,017.90	26,086.62	20,742.12	1,303.44	4,791.86	2,477,994.50
3,103,828.97						36,121,476.79
4,115,664.37	22,017.90	26,086.62	20,742.12	1,303.44	4,791.86	38,599,471.29

VII.—COINAGE EXECUTED AT THE MINTS OF THE

Denomination.	PHILADELPHIA.		SAN FRANCISCO.	
	Pieces.	Value.	Pieces.	Value.
GOLD.				
Double-eagles	226, 266	\$1, 525, 320. 00	859, 600	\$17, 192, 000. 00
Eagles	132, 996	1, 329, 960. 00	648, 700	6, 487, 000. 00
Half-eagles.....	18, 296	91, 480. 00	293, 900	1, 469, 500. 00
Three dollars.....	5, 291	15, 873. 00	.....	.....
Quarter-eagles	16, 098	40, 245. 00	.....	.....
Dollars.....	16, 080	16, 080. 00	.....	.....
Total gold.....	415, 027	6, 018, 958. 00	1, 802, 200	25, 148, 500. 00
SILVER.				
Dollars.....	19, 183, 833	19, 183, 833. 00	657, 000	657, 000. 00
Subsidiary:				
Half-dollars	12, 833	6, 416. 50	.....	.....
Quarter-dollars.....	10, 833	2, 708. 25	1, 216, 000	304, 000. 00
Dimes.....	5, 496, 487	549, 648. 70	1, 720, 000	172, 000. 00
Total subsidiary	5, 520, 153	558, 773. 45	2, 936, 000	476, 000. 00
Total silver	24, 703, 986	19, 742, 606. 45	3, 593, 000	1, 133, 000. 00
MINOR.				
Five cents.....	10, 720, 483	536, 024. 15	.....	.....
Three cents	41, 083	1, 232. 49	.....	.....
One cent	37, 494, 414	374, 944. 14	.....	.....
Total minor	48, 255, 980	912, 200. 78	.....	.....
Total coinage.....	73, 374, 993	26, 673, 765. 23	5, 395, 200	26, 281, 500. 00

UNITED STATES DURING THE CALENDAR YEAR 1888.

CARSON.*		NEW ORLEANS.		TOTAL.	
Pieces.	Value.	Pieces.	Value.	Pieces.	Value.
				1,685,866	\$21,717,320.00
		21,335	\$213,350.00	803,031	8,030,310.00
				312,196	1,560,980.00
				5,291	15,873.00
				16,098	40,245.00
				16,080	16,080.00
		21,335	213,350.00	2,238,562	31,380,808.00
		12,150,000	12,150,000.00	31,990,833	31,990,833.00
				12,833	6,416.50
				1,226,833	306,708.25
				7,216,487	721,648.70
				8,456,153	1,034,773.45
		12,150,000	12,150,000.00	40,446,986	33,025,606.45
				10,720,483	536,024.15
				41,083	1,232.49
				37,494,414	374,944.14
				48,255,980	912,200.78
		12,171,335	12,363,350.00	90,941,528	65,318,615.23

* Coinage suspended March 8, 1885.

VIII.—BARS MANUFACTURED OF GOLD AND SILVER, BY WEIGHT,

Description.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
GOLD.	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
Fine bars	33, 218. 842			
Mint bars				
Standard bars				
Sterling bars				
Unparted bars			37. 488	
Total gold	33, 218. 842		37. 488	
SILVER.				
Fine bars	11, 217. 35	751, 133. 66	969, 884. 43	
Mint bars				
Standard bars				
Sterling bars				
Unparted bars			27. 65	
Total silver	11, 217. 35	751, 133. 66	969, 912. 08	

IX.—BARS MANUFACTURED OF GOLD AND SILVER, BY VALUE,

Description.	COINAGE MINTS.			
	Philadelphia.	San Francisco.	Carson.	New Orleans.
GOLD.				
Fine bars	\$618, 024. 97			
Mint bars				
Standard bars				
Sterling bars				
Unparted bars			\$697. 45	
Total gold	618, 024. 97		697. 45	
SILVER.				
Fine bars	13, 052. 92	\$874, 046. 43	1, 128, 592. 78	
Mint bars				
Standard bars				
Sterling bars				
Unparted bars			32. 17	
Total silver	13, 052. 92	874, 046. 43	1, 128, 624. 95	
Total gold and silver	631, 077. 89	874, 046. 43	1, 129, 322. 40	

DURING CALENDAR YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>	<i>Standard ozs.</i>
869,844.993						903,063.835
89,261.886						89,261.886
5,457.157						5,457.157
22,968.733						22,968.733
543.768	80,238.229	38,514.742	57,934.540	8,219.400	11,240.641	196,728.808
988,076.537	80,238.229	38,514.742	57,934.540	8,219.400	11,240.641	1,217,480.419
4,605,774.84						6,338,010.28
125,655.59						125,655.59
19,091.60						19,091.00
1,149.27	19,628.85	27,907.28	20,543.47	1,184.54	8,551.96	78,993.02
4,751,670.70	19,628.85	27,907.28	20,543.47	1,184.54	8,551.96	6,561,749.89

DURING CALENDAR YEAR ENDED DECEMBER 31, 1888.

ASSAY OFFICES.						Total.
New York.	Denver.	Boisé.	Helena.	Charlotte.	Saint Louis.	
\$16,183,162.66						\$16,801,187.63
1,660,686.25						1,660,686.25
101,528.51						101,528.51
427,325.27						427,325.27
10,116.61	\$1,492,804.25	\$716,553.33	\$1,077,851.90	\$152,919.07	\$209,128.20	3,660,070.81
18,382,819.30	1,492,804.25	716,553.33	1,077,851.90	152,919.07	209,128.20	22,650,798.47
5,359,447.09						7,375,139.22
146,217.41						146,217.41
22,214.98						22,214.98
1,337.33	22,840.83	32,473.92	23,905.11	1,378.37	9,951.37	91,919.10
5,529,216.81	22,840.83	32,473.92	23,905.11	1,378.37	9,951.37	7,635,490.71
23,912,036.11	1,515,645.08	749,027.25	1,101,757.01	154,297.44	219,079.57	30,286,289.18

X.—ESTIMATE OF VALUES OF FOREIGN COINS, JANUARY 1, 1889.

NOTE.—The “standard” of a given country is indicated as follows, namely: *Double*, where its standard silver coins are unlimited legal tender, the same as its gold coins; *single gold* or *single silver*, as its standard coins of one or the other metal are unlimited legal tender. The par of exchange of the monetary unit of a country with a single gold, or a doublo, standard is fixed at the value of the gold unit as compared with the United States gold unit. In the case of a country with a single silver standard, the par of exchange is computed at the mean price of silver in the London market for a period commencing October 1 and ending December 24, 1888, as per daily cable dispatches to the Bureau of the Mint.

Country.	Standard.	Monetary unit.	Par of exchange or equivalent value in terms of U. S. gold dollar.	Coins.
Argentine Republic	Double.....	Peso	\$0.965	Gold: argentine (\$4.824) and $\frac{1}{2}$ argentine. Silver: peso and divisions.
Austria.....	Single silver	Florin ...	.336	Gold: 4 florins (\$1.929), 8 florins (\$3.858), ducat (\$2.287), and 4 ducats (\$9.158). Silver: 1 and 2 florins.
Belgium	Double.....	Franc .....	.193	Gold: 10 and 20 francs. Silver: 5 francs.
Bolivia	Single silver	Boliviano ....	.68	Silver: Boliviano and divisions.
Brazil	Single gold..	Milreis of 1,000 rois.	.546	Gold: 5, 10, and 20 milreis. Silver: $\frac{1}{2}$, 1, and 2 milreis.
British Possessions, N. A.	Single gold..	Dollar	1.00	
Chili.....	Double.....	Peso .....	.912	Gold: escudo (\$1.824), doubloon (\$4.561), and condor (\$9.123). Silver: peso and divisions.
Cuba	Double.....	Peso .....	.926	Gold: doubloon (\$5.017). Silver: peso.
Denmark	Single gold..	Crown .....	.268	Gold: 10 and 20 crowns.
Ecuador	Single silver	Sucre .....	.68	Gold: condor (\$9.647) and double-condor. Silver: sucre and divisions.
Egypt	Single gold..	Pound (100 piastres).	4.943	Gold: pound (100 piastres), 50 piastres, 20 piastres, 10 piastres, and 5 piastres. Silver: 1, 2, 5, 10, and 20 piastres.
Franco	Doublo.....	Franc .....	.193	Gold: 5, 10, 20, 50, and 100 francs. Silver: 5 francs.
German Empire	Single gold..	Mark .....	.238	Gold: 5, 10, and 20 marks.
Great Britain	Single gold..	Pound sterling	4.866 $\frac{1}{2}$	Gold: sovereign (pound sterling) and $\frac{1}{2}$ sovereign.
Greece.....	Doublo.....	Drachma.....	.193	Gold: 5, 10, 20, 50, and 100 drachmas. Silver: 5 drachmas.
Guatemala.....	Single silver	Peso .....	.68	Silver: peso and divisions.
Haiti.....	Doublo.....	Gourde .....	.965	Silver: gourde.
Honduras	Single silver	Peso .....	.68	Silver: divisions of peso.

X.—ESTIMATE OF VALUES OF FOREIGN COINS, JANUARY 1, 1889—Continued.

Country.	Standard.	Monetary unit.	Par of exchange or equivalent value in terms of U. S. gold dollar.	Coins.
India	Single silver	Rupee of 16 annas.	\$0.323	Gold: mohur (\$7.105). Silver: rupee and divisions.
Italy.....	Double.....	Lira.....	.193	Gold: 5, 10, 20, 50, and 100 liras. Silver: 5 liras.
Japan.....	Double*.....	Yen. { Gold... Silver..	.997 .734	Gold: 1, 2, 5, 10, and 20 yen. Silver: yen.
Liberia	Single gold..	Dollar.....	1.00	
Mexico	Single silver	Dollar.....	.739	Gold: dollar (\$0.983), 2½, 5, 10, and 20 dollars. Silver: dollar (or peso) and divisions.
Netherlands.....	Double.....	Florin .....	.402	Gold: 10 florins. Silver: ½, 1, and 2½ florins.
Nicaragua	Single silver	Peso .....	.68	Silver: peso and divisions.
Norway	Single gold..	Crown .....	.268	Gold: 10 and 20 crowns.
Peru.....	Single silver	Sol.....	.68	Silver: sol and divisions.
Portugal.....	Single gold..	Milreis of 1,000 reis.	1.08	Gold: 1, 2, 5, and 10 milreis.
Russia.....	Single silver	Rouble of 100 copecks.	.544	Gold: imperial (\$7.718) and ½ im- perial† (\$3.860). Silver: ¼, ½, and 1 rouble.
Spain	Double.....	Peseta of 100 centimes.	.193	Gold: 25 pesetas. Silver: 5 pesetas.
Sweden	Single gold..	Crown .....	.268	Gold: 10 and 20 crowns.
Switzerland	Double.....	Franc.....	.193	Gold: 5, 10, 20, 50 and 100 francs. Silver: 5 francs.
Tripoli	Single silver	Mahbub of 20 piastres.	.614	
Turkey	Single gold..	Piastre.....	.044	Gold: 25, 50, 100, 250, and 500 piastres.
United States of Co- lombia.	Single silver	Peso .....	.68	Gold: condor (\$9.647) and double- condor. Silver: peso.
Venezuela	Single silver	Bolivar .....	.136	Gold: 5, 10, 20, 50, and 100 boli- vars. Silver: 5 bolivars.

* Gold the nominal standard. Silver practically the standard.

† Coined since January 1, 1886. Old half-imperial = \$3.986.

XI.—GOLD AND SILVER BULLION OPERATED UPON IN THE REFINERIES OF THE MINTS AT PHILADELPHIA, SAN FRANCISCO, NEW ORLEANS, AND CARSON, AND THE ASSAY OFFICE AT NEW YORK DURING THE CALENDAR YEAR 1888.

Month.	BULLION CONTAINING GOLD.		BULLION FREE FROM GOLD.	BULLION CONTAINING GOLD.		BULLION FREE FROM GOLD.
	Gold, standard ounces.	Silver, standard ounces.	Silver, standard ounces.	Gold, standard ounces.	Silver, standard ounces.	Silver, standard ounces.
MINT AT PHILADELPHIA.				MINT AT SAN FRANCISCO.		
January, 1888	28,580.274	20,622.48	70,084.95	14,285.720	45,862.97	.....
February, 1888	29,856.329	38,200.69	43,947.86	18,241.327	45,723.28	.....
March, 1888	21,859.182	15,217.78	48,592.61	18,600.947	72,500.50	632.12
April, 1888	19,557.545	8,938.10	29,983.90	23,520.657	59,414.45	5,203.57
May, 1888	43,508.302	58,756.09	47,178.37	26,607.144	99,325.54	101,440.01
June, 1888	16,075.008	19,096.69	14,434.47	15,899.484	20,744.86	10,655.50
July, 1888	24,890.301	30,470.66	44,735.86	26,735.447	97,125.95	33,642.20
August, 1888	23,899.964	14,258.17	47,898.84	23,766.792	87,026.26	8,481.41
September, 1888	20,624.781	11,700.86	41,067.64	21,540.674	63,771.95	.....
October, 1888	19,440.137	16,183.71	30,915.49	23,722.661	4,535.02	3,499.33
November, 1888	26,499.926	18,901.95	48,691.90	22,368.325	100,086.58	160.58
December, 1888	26,680.479	16,828.30	50,018.77	20,788.058	76,497.29	.....
Total	301,472.228	269,175.48	517,550.66 269,175.48	256,077.236	772,644.65	163,714.82 772,644.65
Total silver	.....	.....	786,726.14	.....	.....	936,359.47
MINT AT CARSON.				MINT AT NEW ORLEANS.		
January, 1888	3,658.908	35,463.99	.....	.....	.....	.....
February, 1888	4,335.807	91,217.21	3,766.12	.....	.....	.....
March, 1888	3,152.554	61,767.40	2,147.78	.....	.....	.....
April, 1888	8,962.485	160,690.04	.....	1,627.418	4,172.03	.....
May, 1888	10,013.261	171,506.67	6,068.77	.....	.....	.....
June, 1888	5,572.584	92,874.67	1,390.45	.....	.....	.....
July, 1888	10,095.520	165,071.91	15,582.74	.....	.....	.....
August, 1888	5,509.800	68,338.41	.....	.....	.....	.....
September, 1888	2,473.722	33,894.88	3,758.23	.....	.....	.....
October, 1888	1,654.444	27,622.38	2,965.33	.....	.....	.....
November, 1888	1,449.022	34,465.87	623.78	.....	.....	.....
December, 1888	4,305.165	61,297.20	6,575.45	4,088.091	10,002.93	.....
Total	61,183.272	1,004,210.63	42,878.65 1,004,210.63	5,715.509	14,174.96	14,174.96
Total silver	.....	.....	1,047,089.28	.....	.....	14,174.96
ASSAY OFFICE AT NEW YORK.						
January, 1888	43,250.000	173,274.00	74,856.00	.....	.....	.....
February, 1888	34,759.000	147,118.00	239,832.00	.....	.....	.....
March, 1888	34,500.000	109,565.00	112,689.00	.....	.....	.....
April, 1888	48,287.000	132,107.00	213,788.00	.....	.....	.....
May, 1888	53,132.000	104,553.00	261,908.00	.....	.....	.....
June, 1888	.....	.....	.....	.....	.....	.....
July, 1888	90,220.000	193,760.00	87,385.00	.....	.....	.....
August, 1888	39,075.000	122,867.00	31,669.00	.....	.....	.....
September, 1888	50,445.000	64,225.00	17,188.00	.....	.....	.....
October, 1888	56,978.000	88,396.00	62,169.00	.....	.....	.....
November, 1888	44,187.000	92,218.00	27,797.00	.....	.....	.....
December, 1888	33,002.000	67,657.00	48,815.00	.....	.....	.....
Total	527,835.000	1,295,740.00	1,178,096.00 1,295,740.00	.....	.....	.....
Total silver	.....	.....	2,473,836.00	.....	.....	.....

XI.—GOLD AND SILVER BULLION, ETC.—Continued.

RECAPITULATION.

Calendar year 1888.	BULLION CONTAINING GOLD.		BULLION FREE FROM GOLD.
	Gold, standard ounces.	Silver, standard ounces.	Silver, standard ounces.
Mint at Philadelphia	391, 472. 228	269, 175. 48	517, 550. 66
Mint at San Francisco	256, 077. 236	772, 644. 65	163, 714. 82
Mint at Carson	61, 183. 272	1, 004, 210. 63	42, 878. 65
Mint at New Orleans	5, 715. 509	14, 174. 96	-----
Assay office at New York	527, 835. 000	1, 295, 740. 00	1, 178, 096. 00
Total	1, 152, 283. 245	3, 355, 945. 72	1, 902, 240. 13
			3, 355, 945. 72
Total silver	-----	-----	5, 258, 185. 85

XII.—UNREFINED GOLD AND SILVER OF DOMESTIC PRODUCTION, WITH THE STATES AND TERRITORIES PRODUCING THE SAME, AND REFINED DOMESTIC BULLION NOT DISTRIBUTED, DEPOSITED AT THE MINTS AND ASSAY OFFICES, FROM THEIR ORGANIZATION TO THE CLOSE OF THE CALENDAR YEAR ENDED DECEMBER 31, 1888.

Locality.	Gold.	Silver.	Total
Alabama	\$231, 631. 99	\$108. 06	\$231, 740. 05
Alaska	649, 891. 63	5, 666. 55	655, 558. 18
Arizona	4, 620, 349. 77	13, 771, 117. 74	18, 391, 467. 51
California	750, 425, 298. 78	4, 030, 916. 46	754, 456, 215. 24
Colorado	55, 487, 141. 74	24, 468, 744. 08	79, 955, 885. 82
Dakota	32, 126, 085. 38	834, 474. 47	32, 960, 559. 85
Georgia	8, 694, 108. 92	4, 657. 07	8, 698, 765. 99
Idaho	30, 577, 742. 11	1, 727, 131. 39	32, 304, 873. 50
Maine	5, 638. 20	22. 02	5, 660. 22
Maryland	4, 471. 33	3. 60	4, 474. 93
Michigan	98, 199. 10	3, 755, 071. 86	3, 833, 270. 96
Missouri	13. 90	359. 14	373. 01
Montana	63, 536, 876. 56	14, 955, 162. 09	78, 492, 038. 65
Nebraska	1, 921. 79	273, 225. 62	275, 147. 41
Nevada	25, 888, 576. 83	95, 056, 463. 90	120, 945, 040. 73
New Mexico	3, 437, 060. 59	6, 060, 984. 32	9, 498, 044. 91
North Carolina	11, 429, 458. 53	53, 201. 46	11, 484, 659. 99
Oregon	19, 902, 183. 35	72, 382. 34	19, 974, 565. 69
South Carolina	1, 708, 314. 42	1, 950. 36	1, 710, 264. 78
Tennessee	88, 883. 43	10. 27	88, 893. 70
Texas	2, 049. 54	338. 52	2, 388. 06
Utah	971, 009. 05	19, 123, 946. 14	20, 094, 955. 19
Vermont	78, 489. 66	84. 36	78, 574. 02
Virginia	1, 736, 605. 50	329. 55	1, 736, 935. 05
Washington	527, 911. 93	3, 091. 34	531, 003. 27
Wyoming	782, 394. 65	12, 470. 13	794, 864. 78
Other sources	38, 555, 300. 97	42, 358, 865. 03	80, 914, 166. 00
Total unrefined	1, 051, 567, 609. 65	226, 552, 777. 84	1, 278, 120, 387. 49
Refined bullion	331, 726, 798. 74	254, 098, 092. 97	585, 824, 891. 71
Grand total	1, 383, 294, 408. 39	480, 650, 870. 81	1, 863, 945, 279. 20

XIII.—ASSETS AND LIABILITIES OF UNITED STATES

ASSETS.

Institutions.	GOLD BULLION.		SILVER BULLION.	
	Standard weight.	Value.	Standard weight.	Value (cost).
COINAGE MINTS.				
	<i>Ounces.</i>		<i>Ounces.</i>	
Philadelphia	1, 295, 359. 710	\$21, 099, 715. 34	6, 672, 637. 31	\$6, 375, 255. 18
San Francisco.....	105, 658. 024	1, 965, 730. 63	46, 137. 77	40, 409. 59
New Orleans	30, 075. 711	559, 548. 07	1, 091, 118. 80	923, 068. 85
Carson	81, 299. 305	1, 512, 545. 26	83, 501. 59	74, 350. 77
ASSAY OFFICES.				
New York	3, 719, 683. 840	69, 203, 420. 00	3, 486, 213. 29	3, 940, 786. 84
Denver.....	2, 457. 390	45, 718. 89	685. 33	589. 38
Helena	2, 361. 482	43, 934. 11	728. 15	626. 21
Boisé.....	354. 214	6, 590. 03	117. 22	100. 81
Charlotte.....	712. 082	13, 248. 04	75. 80	65. 09
Saint Louis	313. 832	5, 838. 69	95. 47	81. 90
Total.....	5, 238, 275. 590	97, 456, 289. 06	11, 381, 310. 73	11, 355, 334. 62

LIABILITIES.

Institutions.	Bullion fund.	Undeposited earnings.
COINAGE MINTS.		
Philadelphia	\$66, 013, 108. 67	
San Francisco.....	31, 525, 305. 28	
New Orleans	5, 643, 706. 77	
Carson	1, 832, 000. 00	
ASSAY OFFICES.		
New York	102, 639, 360. 46	\$2, 722. 10
Denver.....	95, 867. 41	1, 168. 09
Helena	80, 189. 59	1, 032. 83
Boisé.....	85, 002. 60	319. 91
Charlotte	33, 528. 82	276. 28
Saint Louis	21, 081. 12	135. 83
Total.....	207, 969, 150. 72	5, 646. 04

MINTS AND ASSAY OFFICES JANUARY 1, 1889.

ASSETS.

Value of bullion shipped for coinage.	Gold coin.	Silver coin.	Minor coin.	Minor coin- age metal.	Deficiencies.	Total.
-----	\$665,619.50	\$35,346,815.21	\$170,624.28	\$56,215.49	-----	\$66,714,245.00
-----	3,554,260.00	25,638,472.34	-----	-----	\$413,557.96	31,612,430.52
-----	216,010.00	4,229,849.12	-----	-----	-----	5,928,476.04
-----	240,913.79	6,559.70	-----	-----	-----	1,834,369.52
-----	29,512,091.33	10,924.53	-----	-----	-----	102,667,222.70
-----	50,725.00	2.00	.23	-----	-----	97,035.50
\$10,670.48	25,991.00	.62	-----	-----	-----	81,222.42
22,970.58	55,650.00	2.09	-----	-----	-----	85,313.51
-----	20,491.00	.97	-----	-----	-----	33,805.10
11,962.15	3,334.00	.21	-----	-----	-----	21,216.95
45,603.21	34,345,085.62	65,232,626.79	170,624.51	56,215.49	413,557.96	209,075,337.26

LIABILITIES.

Seignorage on silver.	Unpaid deposit- ors.	Minor coin profits.	Minor coin metal fund.	Unpaid cent depositors.	Total.
\$147,602.58	\$26,693.98	\$148,322.76	\$78,447.01	\$70.00	\$66,714,245.00
29,436.85	57,688.39	-----	-----	-----	31,612,430.52
283,789.30	979.97	-----	-----	-----	5,928,476.04
-----	2,369.52	-----	-----	-----	1,834,369.52
-----	25,140.14	-----	-----	-----	102,667,222.70
-----	-----	-----	-----	-----	97,035.50
-----	-----	-----	-----	-----	81,222.42
-----	-----	-----	-----	-----	85,313.51
-----	-----	-----	-----	-----	33,805.10
-----	-----	-----	-----	-----	21,216.95
760,828.73	112,872.00	148,322.76	78,447.01	70.00	209,075,337.26

**XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER DURING THE YEAR
ENDED DECEMBER 31, 1888.**

[Reported by Chief of Bureau of Statistics. Corrected to January 25, 1889.]

IMPORTS.

Ports.	BULLION.						Total gold and silver bullion.
	Gold.			Silver.			
	U. S. mint or assay office bars.	Other bullion.	Total.	U. S. mint or assay office bars.	Other bullion.	Total.	
NEW YORK.							
January		\$41, 374	.....		\$72, 128	.....	\$113, 502
February		36, 664	.....		114, 933	.....	151, 597
March		27, 652	.....		110, 589	.....	138, 232
April		18, 279	.....		119, 801	.....	138, 080
May		21, 046	.....		105, 810	.....	126, 856
June		31, 884	.....		87, 992	.....	119, 876
July		27, 939	.....		77, 825	.....	105, 764
August		23, 205	.....		86, 900	.....	110, 105
September		21, 672	.....		80, 950	.....	102, 622
October		18, 844	.....		88, 001	.....	106, 845
November		30, 609	.....		86, 756	.....	117, 365
December		27, 806	.....		92, 636	.....	120, 442
Total		326, 974	.....		1, 124, 312	.....	1, 451, 286
SAN FRANCISCO.							
January		28, 911	.....		160, 433	.....	189, 344
February		19, 996	.....		102, 408	.....	122, 404
March		12, 625	.....		215, 575	.....	228, 200
April		29, 026	.....		148, 487	.....	177, 513
May		40, 052	.....		205, 629	.....	246, 281
June		38, 715	.....		221, 699	.....	260, 414
July		62, 436	.....		215, 091	.....	277, 527
August		78, 957	.....		220, 059	.....	299, 016
September		121, 044	.....		262, 359	.....	383, 403
October		79, 083	.....		204, 516	.....	283, 599
November		373, 462	.....		169, 402	.....	542, 864
December		38, 333	.....		241, 715	.....	280, 048
Total		923, 240	.....		2, 367, 373	.....	3, 290, 613
ALL OTHER PORTS.							
January		33, 633	.....		236, 881	.....	270, 514
February		21, 299	.....		261, 617	.....	282, 916
March		30, 611	.....		184, 187	.....	214, 798
April		37, 466	.....		197, 799	.....	235, 265
May		5, 348	.....		273, 351	.....	278, 699
June		4, 966	.....		157, 042	.....	162, 008
July		28, 311	.....		226, 728	.....	255, 039
August		4, 030	.....		189, 451	.....	193, 481
September		25, 766	.....		113, 788	.....	139, 554
October		37, 576	.....		198, 400	.....	235, 976
November		79, 454	.....		243, 345	.....	322, 799
December		41, 017	.....		202, 762	.....	243, 779
Total		349, 477	.....		2, 485, 351	.....	2, 834, 828
Total imports (bullion)		1, 599, 691	.....		5, 977, 036	.....	7, 576, 727

XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER, ETC.—Continued.

DOMESTIC EXPORTS.

Ports.	BULLION.						
	Gold.			Silver.			Total gold and silver bullion.
	U.S. mint or assay office bars.	Other bullion.	Total.	U.S. mint or assay office bars.	Other bullion.	Total.	
NEW YORK.							
January		\$15,492	\$15,492		\$1,106,430	\$1,106,430	\$1,121,922
February		42,061	42,061		1,053,590	1,053,590	1,095,651
March	\$308,000	14,200	322,200	\$66,400	942,960	1,009,360	1,331,560
April		13,430	13,430		775,680	775,680	789,110
May	4,287,870	1,768,427	6,056,297	64,600	716,656	781,256	6,837,553
June	2,797,496	4,100	2,801,596		570,900	570,900	3,372,496
July	3,472,332	5,040	3,477,372		937,270	937,270	4,414,642
August		28,334	28,334		1,077,200	1,077,200	1,105,534
September		3,000	3,000		1,626,119	1,626,119	1,629,119
October	505,148	3,500	508,648		1,114,539	1,114,539	1,623,187
November	5,232,520	3,000	5,235,520		800,084	800,084	6,035,604
December	7,270,720	13,442	7,284,162	18,600	1,742,188	1,760,788	9,044,950
Total	23,874,086	1,914,026	25,788,112	149,600	12,463,616	12,613,216	38,401,328
SAN FRANCISCO.							
January		20	20	14,000	584,200	598,200	598,320
February				49,500	586,500	636,000	636,000
March		140	140	144,650	806,500	951,150	951,290
April		185	185	20,000	308,100	328,100	328,285
May		271	271	30,000	894,800	924,800	925,071
June		1,710	1,710	109,000	1,323,300	1,432,300	1,434,010
July		470	470	42,600	917,000	959,600	960,070
August		1,650	1,650	79,000	757,950	836,950	838,600
September		3,075	3,075	64,000	947,700	1,011,700	1,014,775
October		1,150	1,150	18,000	712,500	730,500	731,650
November		2,033	2,033	91,000	702,900	793,900	795,933
December		861	861	35,000	730,000	765,000	765,861
Total		11,565	11,565	696,750	9,271,550	9,968,300	9,979,865
ALL OTHER PORTS.							
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
Total							
Total domestic ex- ports (bullion) ..	23,874,086	1,925,591	25,799,677	846,350	21,735,166	22,581,516	48,381,193

XIV.—IMPORTS AND EXPORTS OF GOLD

IMPORTS.

Ports.	COIN.		
	Gold.		
	American.	Foreign.	Total.
NEW YORK.			
January	\$31,187	\$194,236	\$225,423
February	44,487	740,469	784,956
March	67,418	2,082,463	2,149,881
April	48,205	556,824	605,029
May	195,744	9,459	205,203
June	15,743	151,941	167,684
July	12,686	156,997	169,683
August	13,353	60,911	74,264
September	143,183	558,084	701,267
October	32,210	125,111	157,321
November	234,350	13,238	247,588
December	108,165	82,318	190,483
Total	946,731	4,732,051	5,678,782
SAN FRANCISCO.			
January	16,587	.....	16,587
February	35,154	58,042	93,196
March	1,705	38,165	39,870
April	1,414	8,263	9,677
May	2,286	16,644	18,930
June	4,879	13,857	18,736
July	4,368	15,579	19,947
August	2,702	10,055	12,757
September	9,212	262,715	271,927
October	6,068	858,302	864,370
November	7,880	1,148,794	1,156,674
December	17,090	487,350	504,440
Total	109,345	2,917,766	3,027,111
ALL OTHER PORTS.			
January	670	42,873	49,543
February	11,000	46,957	57,957
March .....	.....	10,201	10,201
April	29,000	19,687	48,687
May	1,000	27,100	28,100
June	10,058	21,127	31,185
July	9,837	28,893	38,730
August	1,090	13,630	14,630
September	13,987	119,693	133,680
October .....	.....	64,995	64,995
November	19,000	54,060	73,060
December	17,698	86,723	104,421
Total	113,250	541,939	655,189
Total imports (coin)	1,169,326	8,191,756	9,361,082

AND SILVER, ETC.—Continued.

IMPORTS.

COIN.					
Silver.					Total gold and silver coin.
American.			Foreign.	Total.	
Trade dollars.	Other silver coin.	Total.			
.....	\$20, 095	\$20, 095	\$44, 465	\$64, 560	\$289, 983
.....	8, 519	8, 519	118, 491	127, 010	911, 966
\$13	3, 422	3, 435	75, 055	78, 480	2, 228, 371
.....	2, 407	2, 407	3, 627	6, 034	611, 063
.....	2, 430	2, 430	54, 196	56, 626	261, 829
.....	2, 403	2, 403	65, 975	68, 378	236, 062
15	5, 800	5, 815	31, 142	36, 957	206, 640
.....	12, 175	12, 175	23, 254	35, 429	109, 693
.....	4, 257	4, 257	7, 046	11, 303	712, 570
.....	117, 193	117, 193	64, 618	181, 811	339, 132
.....	10, 320	10, 320	193, 359	203, 679	451, 267
.....	5, 512	5, 512	200, 446	205, 958	396, 441
28	194, 533	194, 561	881, 674	1, 076, 235	6, 755, 017
900	.....	900	57, 938	58, 838	75, 425
.....	.....	.....	9, 079	9, 079	102, 275
.....	139	139	28, 349	28, 488	68, 358
.....	.....	.....	21, 996	21, 996	31, 673
.....	32	32	8, 160	8, 192	27, 122
.....	24	24	24, 806	24, 830	43, 566
.....	98	98	31, 318	31, 416	51, 363
.....	717	717	151, 390	152, 107	164, 864
.....	75	75	63, 904	63, 979	335, 906
.....	1, 436	1, 436	28, 194	29, 630	894, 060
.....	1, 904	1, 904	55, 826	57, 730	1, 214, 404
.....	.....	.....	52, 237	52, 237	556, 677
900	4, 425	5, 325	533, 147	538, 522	3, 565, 633
.....	4, 039	4, 039	599, 466	603, 505	653, 048
.....	1, 332	1, 332	553, 721	555, 053	613, 010
.....	1, 678	1, 678	430, 513	432, 191	442, 392
.....	2, 008	2, 008	294, 979	296, 987	345, 674
.....	3, 058	3, 058	382, 692	385, 750	413, 850
.....	4, 965	4, 965	351, 182	356, 147	387, 332
.....	1, 540	1, 540	507, 136	508, 676	547, 406
.....	5, 316	5, 316	664, 024	669, 340	683, 970
.....	4, 691	4, 691	766, 947	771, 638	905, 318
.....	6, 703	6, 700	1, 383, 714	1, 390, 414	1, 455, 409
.....	1, 618	1, 618	1, 212, 932	1, 214, 550	1, 287, 610
.....	2, 125	2, 125	1, 129, 800	1, 131, 925	1, 236, 346
.....	39, 070	39, 070	8, 277, 106	8, 316, 176	8, 971, 365
928	238, 028	238, 956	9, 691, 977	9, 930, 933	10, 192, 015

XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER, ETC.—Continued.

DOMESTIC EXPORTS.

Ports.	COIN.		Total gold and silver coin.
	Gold.	Silver.	
NEW YORK.			
January	\$212,495	\$5,000	\$217,495
February	145,092	2,185	147,277
March	134,619	100	134,719
April	142,412	.....	142,412
May	276,927	19,136	296,063
June	110,409	.....	110,409
July	133,160	9,360	142,520
August	72,930	2,490	75,420
September	155,072	.....	155,072
October	105,562	3,800	109,362
November	39,180	4,000	43,180
December	317,400	2	317,402
Total	1,845,258	46,073	1,891,331
SAN FRANCISCO.			
January	163,235	4,569	167,804
February	10,352	708	11,060
March	26,531	.....	26,531
April	67,425	1,300	68,725
May	27,981	6,142	34,123
June	75,935	.....	75,935
July	149,708	.....	149,708
August	45,923	.....	45,923
September	162,278	.....	162,278
October	42,913	.....	42,913
November	69,530	.....	69,530
December	65,269	.....	65,269
Total	907,080	12,719	919,799
ALL OTHER PORTS.			
January .....	.....	.....	.....
February .....	.....	.....	.....
March	2,000	.....	2,000
April	7,500	.....	7,500
May	9,910	1,890	11,800
June	1,000	4,375	5,375
July	1,000	219	1,219
August	1,000	.....	1,000
September .....	.....	.....	.....
October .....	.....	.....	.....
November .....	.....	.....	.....
December .....	.....	.....	.....
Total domestic exports (coin)	22,410	6,484	28,894
Total domestic exports (coin)	2,774,748	65,276	2,840,024

XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER, ETC.—Continued.

FOREIGN EXPORTS.

Ports.	BULLION.						
	Gold.			Silver.			Total gold and silver bullion.
	U. S. mint or assay office bars.	Other bullion.	Total.	U. S. mint or assay office bars.	Other bullion.	Total.	
NEW YORK.							
January							
February							
March							
April							
May							
June							
July							
August		\$31, 933	\$31, 933				\$31, 933
September							
October							
November							
December							
Total		31, 933	31, 933				31, 933
SAN FRANCISCO.							
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
Total							
ALL OTHER PORTS.							
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December					228	228	228
Total					228	228	228
Total foreign exports (bul- lion)		31, 933	31, 933		228	228	32, 161

XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER, ETC.—Continued.

FOREIGN EXPORTS.

Ports.	COIN.		Total gold and silver coin.
	Gold.	Silver.	
NEW YORK.			
January	\$233, 048	\$168, 336	\$401, 384
February	1, 469, 513	90, 055	1, 559, 568
March	1, 628, 020	46, 619	1, 674, 639
April	727, 135	77, 091	804, 226
May	1, 505, 388	187, 471	1, 692, 859
June	163, 626	115, 257	278, 883
July	68, 142	26, 431	94, 573
August	9, 360	46, 325	55, 685
September		173, 265	173, 265
October	28, 199	620, 565	648, 764
November	29, 999	13, 669	43, 668
December	57, 659	129, 200	186, 859
Total	5, 920, 089	1, 694, 284	7, 614, 373
SAN FRANCISCO.			
January		325, 912	325, 912
February		310, 627	310, 627
March		292, 331	292, 331
April		161, 345	161, 345
May		181, 271	181, 271
June		327, 106	327, 106
July		286, 235	286, 235
August		330, 646	330, 646
September		614, 391	614, 391
October		405, 085	405, 085
November		1, 074, 538	1, 074, 538
December		1, 027, 675	1, 027, 675
Total		5, 337, 162	5, 337, 162
ALL OTHER PORTS.			
January		29, 754	29, 754
February		24, 416	24, 416
March		25, 806	25, 806
April		22, 748	22, 748
May		22, 067	22, 064
June		11, 385	11, 385
July		30, 315	30, 315
August		1, 518	1, 518
September		10, 800	10, 800
October		5, 313	5, 313
November		1, 100	1, 100
December		16, 720	16, 720
Total		201, 939	201, 939
Total foreign exports (coin)	5, 920, 089	7, 233, 385	13, 153, 474

XIV.—IMPORTS AND EXPORTS OF GOLD AND SILVER, ETC.—Continued.

RECAPITULATION.

Description.	Gold.	Silver.	Total.
IMPORTS.			
Bullion	\$1, 599, 691	\$5, 977, 036	\$7, 576, 727
Foreign coin	8, 191, 756	9, 691, 977	17, 883, 733
Total	9, 791, 447	15, 669, 013	25, 460, 460
American coin	1, 169, 326	238, 956	1, 408, 282
Total bullion and coin	10, 960, 773	15, 907, 969	26, 868, 742
EXPORTS.			
Domestic bullion	25, 799, 677	22, 581, 516	48, 381, 193
Foreign bullion	31, 933	238	32, 161
Foreign coin	5, 920, 089	7, 233, 385	13, 153, 474
Total	31, 751, 699	29, 815, 129	61, 566, 828
American coin	2, 774, 748	65, 276	2, 840, 024
Total bullion and coin	34, 526, 447	29, 880, 405	64, 406, 852
EXCESS.			
Bullion and foreign coin :			
Imports			
Exports	21, 960, 252	14, 146, 116	
American coin :			
Imports		173, 680	
Exports	1, 695, 422		

XV.—GOLD AND SILVER ORES IMPORTED INTO AND EXPORTED FROM THE UNITED STATES DURING THE YEAR ENDED DECEMBER 31, 1888.

IMPORTS.

Months.	NEW YORK CITY.		SAN FRANCISCO, CAL.		PASO DEL NORTE.		ALL OTHER CUSTOMS DISTRICTS.	
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.
January	\$85	\$24,621	.....	\$22,991	.....	\$310,218	.....	\$26,962
February	19	50,215	.....	18,723	.....	324,453	\$22	38,237
March	11	9,108	.....	59,227	.....	367,288	.....	117,723
April .....	.....	26,682	.....	48,627	.....	271,396	.....	136,171
May .....	.....	672	.....	45,313	.....	351,974	.....	101,643
June	2,479	1,992	.....	28,349	.....	415,872	.....	69,787
July	50	4,071	\$195	35,463	\$2,462	335,459	942	16,146
August	111	1,603	.....	23,076	1,890	335,817	1,920	25,072
September	100	1,298	.....	44,921	.....	384,020	.....	116,590
October .....	.....	798	21	16,031	.....	390,026	.....	30,571
November .....	.....	21,516	.....	30,004	13,065	496,736	174	6,652
December .....	.....	20	47,509	66,159	113	369,157	.....	64,583
Total	2,855	142,606	47,725	438,934	17,530	4,352,416	3,058	750,137

Total imports of gold ores, \$71,168; silver ores, \$5,684,093.

EXPORTS (DOMESTIC).

Months.	ORES, GOLD AND SILVER BEARING.		
	New York City.	San Francisco, Cal.	All other ports.
January	\$2,115	.....	\$1,500
February	14,017	.....	120
March	630	.....	.....
April	1,150	.....	.....
May	1,546	\$10	150
June	35,000	.....	.....
July	3,443	550	.....
August	49,100	.....	.....
September	4,610	.....	.....
October	6,250	.....	.....
November	265	.....	35
December	4,662	.....	.....
Total	122,788	560	1,805

Total export of gold and silver bearing ores (domestic), \$125,153.

EXPORTS (FOREIGN).

Months.	NEW YORK CITY.		GALVESTON, TEX.		ALL OTHER PORTS.	
	Gold.	Silver.	Gold.	Silver.	Gold.	Silver.
January	\$83	.....	.....	.....	.....
August	209	.....	.....	.....	.....
September	190	.....	\$505	.....	.....
November	349	.....	.....
December	13,392	.....	317	.....	.....
Total	13,874	.....	1,171	.....	.....

Total exports of silver ores (foreign), \$15,045.

XVI.—SILVER BULLION DELIVERED ON PURCHASES AT THE COINAGE MINTS AND SILVER DOLLARS COINED MONTHLY DURING THE CALENDAR YEAR 1888.

Date.	Standard ounces.	Cost.	Coinage.
1888.			
January	2,308,808.90	\$2,019,309.97	2,700,000
February	2,438,497.40	2,114,911.18	2,700,000
March	2,155,711.76	1,843,228.97	2,760,432
April	2,200,152.46	1,858,671.65	2,794,060
May	2,203,001.40	1,836,802.96	2,850,000
June	2,811,709.77	2,339,624.53	2,009,000
July	2,078,936.96	1,731,187.58	1,228,000
August	2,812,631.29	2,332,731.67	2,544,000
September	2,497,715.36	2,125,929.49	3,270,100
October	2,476,231.59	2,110,951.43	3,000,000
November	2,580,529.26	2,193,766.34	2,850,000
December	2,356,465.15	1,984,224.94	2,685,500
Total	28,920,401.30	24,491,340.71	31,990,832
Purchased and coined from March 1, 1878, to January 1, 1888	246,087,538.25	241,600,104.85	283,293,520
Purchased and coined from March 1, 1878, to January 1, 1889	275,007,939.55	266,091,445.56	315,281,352
Monthly average January 1, 1888, to Janu- ary 1, 1889	2,410,033.44	2,040,945.06	2,665,903
Monthly average for 120 months	2,115,445.69	2,046,857.27	2,425,264

XVII.—SILVER BULLION PURCHASES

Month.	PHILADELPHIA.		NEW ORLEANS.	
	Standard ounces.	Cost.	Standard ounces.	Cost.
1888.				
January.....	1, 592, 795. 29	\$1, 393, 433. 25	672, 395. 51	\$587, 693. 85
February.....	1, 394, 635. 40	1, 209, 161. 11	1, 028, 048. 60	892, 056. 13
March.....	1, 505, 092. 53	1, 286, 473. 72	646, 224. 69	552, 988. 03
April.....	1, 368, 353. 83	1, 156, 274. 78	827, 527. 84	698, 750. 13
May.....	1, 611, 129. 58	1, 343, 554. 27	587, 278. 59	489, 385. 59
June.....	1, 726, 255. 48	1, 436, 453. 27	1, 081, 508. 76	899, 800. 29
July.....	1, 287, 615. 10	1, 072, 817. 59	775, 115. 43	614, 948. 52
August.....	2, 101, 239. 37	1, 742, 872. 23	706, 292. 62	585, 656. 48
September.....	1, 621, 807. 34	1, 381, 976. 93	871, 934. 46	740, 615. 14
October.....	1, 623, 376. 90	1, 384, 522. 68	848, 273. 96	722, 479. 30
November.....	1, 455, 835. 45	1, 237, 581. 71	1, 120, 407. 25	952, 479. 07
December.....	1, 590, 088. 21	1, 338, 171. 16	760, 936. 89	641, 331. 71
Total.....	18, 878, 224. 48	15, 983, 292. 70	9, 925, 944. 00	8, 408, 184. 24

MONTHLY DURING CALENDAR YEAR 1888.

SAN FRANCISCO.		CARSON.		TOTAL.	
Standard ounces.	Cost.	Standard ounces.	Cost.	Standard ounces.	Cost.
26,956.85	\$23,721.10	16,661.25	\$14,461.77	2,308,808.90	\$2,019,309.97
3,216.18	2,798.07	12,597.22	10,895.87	2,438,497.40	2,114,911.18
2,947.30	2,515.82	1,447.84	1,251.40	2,155,711.76	1,843,228.97
3,904.08	3,318.47	366.71	328.27	2,200,152.46	1,858,671.65
4,076.85	3,402.34	516.38	460.76	2,203,001.40	1,836,802.96
3,262.51	2,751.67	683.02	619.30	2,811,709.77	2,339,624.53
14,452.83	11,958.91	1,753.60	1,462.56	2,078,936.96	1,731,187.58
4,207.06	3,449.79	892.24	753.17	2,812,631.29	2,332,731.67
3,520.19	2,949.15	450.37	388.27	2,497,712.36	2,125,929.49
3,890.31	3,345.67	690.42	603.78	2,476,231.59	2,110,951.43
3,755.91	3,230.08	540.65	475.48	2,580,539.26	2,193,766.34
4,535.33	3,909.92	904.72	812.15	2,356,465.15	1,984,224.94
78,725.40	67,350.99	37,504.42	32,512.78	28,920,398.30	24,491,340.71

XVIII.—SILVER USED IN THE COINAGE OF SILVER DOLLARS, AND WASTED AND MINT AT PHILADELPHIA.

Date.	Coined.	
	Standard ounces.	Cost.
1888—January.....	1,460,937.50	\$1,272,355.97
February.....	1,460,937.50	1,270,032.20
March.....	1,340,996.25	1,157,271.74
April.....	1,222,343.75	1,054,808.50
May.....	1,375,000.00	1,164,301.15
June.....	1,392,187.50	1,170,456.05
July.....	515,625.00	432,292.04
August.....	1,318,281.25	1,100,874.66
September.....	1,718,835.93	1,443,296.82
October.....	1,718,750.00	1,449,457.37
November.....	1,589,843.75	1,343,526.61
December.....	1,362,367.19	1,149,948.35
Total.....	16,486,105.62	14,008,661.46

MINT AT NEW ORLEANS.

1888—January.....	859,375.00	\$747,432.80
February.....	859,375.00	746,709.45
March.....	1,031,250.00	892,160.11
April.....	1,031,250.00	883,537.57
May.....	945,312.50	801,817.02
June.....	644,531.25	540,215.78
July.....	515,625.00	430,862.33
August.....	859,375.00	716,201.92
September.....	1,031,250.00	866,426.02
October.....	859,375.00	726,507.65
November.....	859,375.00	728,639.43
December.....	945,312.50	799,719.07
Total.....	10,441,406.25	8,880,229.15

MINT AT SAN FRANCISCO.

1883—January.....		
February.....		
March.....		
April.....	137,500.00	\$120,246.20
May.....	128,906.25	112,682.56
June.....	205,390.62	179,474.51
July.....	24,062.50	20,890.70
August.....	8,593.75	7,443.38
September.....	60,156.25	52,039.81
October.....		
November.....		
December.....		
Total.....	564,609.37	492,777.16

SOLD IN SWEEPS AT EACH MINT MONTHLY DURING THE CALENDAR YEAR 1888.

MINT AT PHILADELPHIA.

Wasted and sold in sweeps.		Total employment.		Dollars coined.	Seignorage.
Standard ounces.	Cost.	Standard ounces.	Cost.		
3, 012. 95	\$2, 614. 12	1, 463, 950. 45	\$1, 274, 970. 09	1, 700, 000	\$427, 644. 03
-----	-----	1, 460, 937. 50	1, 270, 032. 20	1, 700, 000	429, 967. 80
4, 067. 55	3, 521. 51	1, 345, 063. 80	1, 160, 793. 25	1, 560, 432	403, 160. 26
-----	-----	1, 232, 343. 75	1, 054, 808. 50	1, 434, 000	379, 191. 50
3, 238. 30	2, 771. 78	1, 378, 238. 30	1, 167, 072. 93	1, 600, 000	435, 698. 85
3, 264. 26	2, 744. 46	1, 395, 451. 76	1, 173, 240. 51	1, 620, 000	449, 503. 95
3, 412. 23	2, 868. 87	519, 037. 23	435, 160. 91	600, 000	167, 707. 96
1, 137. 52	953. 68	1, 319, 418. 77	1, 101, 828. 34	1, 534, 000	433, 125. 34
-----	-----	1, 718, 835. 93	1, 443, 296. 82	2, 000, 100	556, 803. 18
-----	-----	1, 718, 750. 00	1, 449, 457. 37	2, 000, 000	550, 542. 63
-----	-----	1, 589, 843. 75	1, 343, 526. 61	1, 850, 000	506, 473. 39
4, 499. 44	3, 802. 33	1, 366, 866. 63	1, 153, 750. 68	1, 585, 300	435, 351. 65
22, 632. 25	19, 276. 75	16, 508, 737. 87	14, 027, 938. 21	19, 183, 832	5, 175, 170. 54

MINT AT NEW ORLEANS.

9, 680. 99	\$8, 419. 94	869, 055. 99	\$755, 852. 74	1, 000, 000	\$252, 567. 20
-----	-----	859, 375. 00	746, 709. 45	1, 000, 000	253, 290. 55
-----	-----	1, 031, 250. 00	892, 160. 11	1, 200, 000	307, 839. 89
-----	-----	1, 031, 250. 00	883, 537. 57	1, 200, 000	316, 462. 43
-----	-----	945, 312. 50	801, 817. 02	1, 100, 000	298, 182. 98
19, 577. 58	16, 409. 01	664, 108. 83	556, 624. 79	750, 000	209, 784. 22
-----	-----	515, 625. 00	430, 862. 33	600, 000	169, 137. 67
-----	-----	859, 375. 00	716, 201. 92	1, 000, 000	283, 798. 08
1, 995. 92	1, 676. 91	1, 033, 245. 92	868, 102. 93	1, 200, 000	333, 573. 98
-----	-----	859, 375. 00	726, 507. 65	1, 000, 000	273, 492. 35
-----	-----	859, 375. 00	728, 639. 43	1, 000, 000	271, 360. 57
553. 49	468. 24	945, 865. 99	800, 187. 31	1, 100, 000	300, 280. 93
31, 807. 98	26, 974. 10	10, 473, 214. 23	8, 907, 203. 25	12, 150, 000	3, 269, 770. 85

MINT AT SAN FRANCISCO.

-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----
-----	-----	137, 500. 00	\$120, 246. 20	160, 000	\$39, 753. 80
-----	-----	128, 906. 25	112, 682. 56	150, 000	37, 317. 44
-----	-----	205, 390. 62	179, 474. 51	239, 000	59, 525. 49
-----	-----	24, 062. 50	20, 890. 70	28, 000	7, 109. 30
-----	-----	8, 593. 75	7, 443. 38	10, 000	2, 556. 62
-----	-----	60, 156. 25	52, 039. 81	70, 000	17, 960. 19
-----	-----	-----	-----	-----	-----
1, 886. 46	\$1, 648. 42	1, 886. 46	1, 648. 42	-----	-----
1, 886. 46	1, 648. 42	566, 495. 83	494, 425. 58	657, 000	164, 222. 84

XIX.—SILVER USED IN THE COINAGE OF SILVER DOLLARS, AND WASTED AND SOLD IN SWEEPS MONTHLY DURING THE CALENDAR YEAR 1888.

RECAPITULATION BY MONTHS.

Month.	Coined.		Wasted and sold in sweeps.	
	Standard ounces.	Cost.	Standard ounces.	Cost.
1888.				
January	2,320,312.50	\$2,019,788.77	12,693.94	\$11,034.06
February	2,320,312.50	2,016,741.65		
March	2,372,246.25	2,049,431.85	4,067.55	3,521.51
April	2,401,093.75	2,058,592.27		
May	2,449,218.75	2,078,800.73	3,238.30	2,771.78
June	2,242,109.37	1,890,186.34	22,841.84	19,153.47
July	1,055,312.50	884,045.07	3,412.23	2,868.87
August	2,186,250.00	1,824,519.96	1,137.52	953.68
September	2,810,242.18	2,361,762.65	1,995.92	1,676.91
October	2,578,125.00	2,175,965.02		
November	2,449,218.75	2,072,166.04		
December	2,397,679.69	1,949,667.42	6,939.39	5,918.99
Total	27,492,121.24	23,381,667.77	56,326.69	47,899.27

Month.	Total employment.		Dollars coined.	Seignorage.
	Standard ounces.	Cost.		
1888.				
January	2,333,006.44	\$2,030,822.83	2,700,000	\$680,211.23
February	2,320,312.50	2,016,741.65	2,760,000	683,258.35
March	2,376,313.80	2,052,953.36	2,760,432	711,000.15
April	2,401,093.75	2,058,592.27	2,794,000	735,407.73
May	2,452,457.05	2,081,572.51	2,850,000	771,199.27
June	2,264,951.21	1,909,339.81	2,609,000	718,813.66
July	1,058,724.73	886,913.94	1,228,000	343,954.93
August	2,187,387.52	1,825,473.64	2,544,000	719,480.04
September	2,812,238.10	2,363,439.56	3,270,100	908,337.35
October	2,578,125.00	2,175,965.02	3,000,000	824,034.98
November	2,449,218.75	2,072,166.04	2,850,000	777,833.96
December	2,314,619.08	1,955,586.41	2,685,300	735,632.58
Total	27,548,447.93	23,429,567.04	31,990,832	8,609,164.23

RECAPITULATION BY MINTS.

Mints at—	Coined.		Wasted and sold in sweeps.	
	Standard ounces.	Cost.	Standard ounces.	Cost.
Philadelphia	16,486,105.62	\$14,008,661.46	22,632.25	\$19,276.75
New Orleans	10,441,406.25	8,880,229.15	31,807.98	26,974.10
San Francisco	564,609.37	492,777.16	1,886.46	1,648.42
Total	27,492,121.24	23,381,667.77	56,326.69	47,899.27
Mints at—	Total employment.		Dollars coined.	Seignorage.
	Standard ounces.	Cost.		
Philadelphia	16,508,737.87	\$14,027,938.21	19,183,832	\$5,175,170.54
New Orleans	10,473,214.23	8,907,203.25	12,150,000	3,269,770.85
San Francisco	566,495.83	494,425.58	657,000	164,222.84
Total	27,548,447.93	23,429,567.04	31,990,832	8,609,164.23

**XX.—SILVER BULLION OFFERED, CONTRACTED FOR, AND DELIVERED FROM
JANUARY 1, 1888, TO JANUARY 1, 1889.**

Months.	Offered.	Contracted for.	Delivered.	Cost of amount delivered.
1888.	<i>Fine ounces.</i>	<i>Fine ounces.</i>	<i>Fine ounces.</i>	
January	3, 526, 336. 40	2, 109, 336. 40	2, 112, 931. 92	\$2, 049, 115. 13
February	3, 142, 660. 71	1, 845, 660. 71	1, 848, 056. 57	1, 778, 295. 79
March	2, 802, 306. 44	2, 202, 306. 44	2, 213, 200. 14	2, 098, 082. 59
April	3, 399, 995. 53	1, 593, 073. 78	1, 597, 636. 90	1, 497, 355. 92
May	3, 840, 892. 43	2, 202, 892. 43	2, 210, 567. 70	2, 046, 582. 53
June	3, 973, 964. 22	2, 393, 964. 22	2, 396, 925. 52	2, 216, 634. 04
July	5, 509, 245. 02	2, 174, 245. 02	2, 178, 147. 39	2, 014, 386. 35
August	4, 075, 398. 83	2, 368, 398. 83	2, 372, 037. 91	2, 184, 689. 46
September	3, 143, 655. 69	2, 138, 655. 69	2, 141, 252. 37	2, 023, 748. 27
October	3, 980, 519. 29	2, 210, 519. 29	2, 214, 935. 42	2, 098, 228. 91
November	4, 391, 493. 32	2, 155, 493. 32	2, 154, 703. 76	2, 035, 094. 21
December	2, 697, 328. 82	2, 188, 328. 82	2, 190, 690. 98	2, 049, 590. 47
Total	44, 483, 796. 70	25, 582, 874. 95	25, 631, 136. 58	24, 091, 803. 67

**XXI.—SILVER BULLION OFFERED, CONTRACTED FOR, AND DELIVERED FROM
MARCH, 1878, TO JANUARY, 1889.**

Years.	Offered.	Contracted for.	Delivered.	Cost of amount delivered.
1878 (10 months)	60, 838, 090. 43	24, 186, 090. 43	24, 358, 024. 77	\$28, 298, 061. 05
1879	28, 974, 950. 53	16, 430, 950. 53	16, 594, 639. 14	18, 660, 080. 33
1880	38, 136, 229. 42	23, 492, 229. 42	22, 742, 634. 22	25, 981, 214. 66
1881	37, 473, 787. 24	19, 469, 372. 43	19, 612, 741. 84	22, 095, 571. 00
1882	35, 436, 359. 72	21, 792, 959. 72	21, 878, 488. 85	24, 877, 254. 37
1883	30, 306, 479. 06	22, 372, 879. 06	22, 491, 160. 54	24, 851, 599. 35
1884	29, 871, 327. 05	21, 654, 327. 05	21, 683, 797. 72	24, 020, 063. 93
1885	32, 157, 236. 99	22, 060, 852. 38	22, 147, 366. 19	23, 522, 646. 37
1886	33, 067, 369. 88	25, 545, 197. 68	25, 699, 897. 48	25, 504, 466. 65
1887	37, 260, 244. 32	24, 527, 232. 21	24, 611, 243. 46	24, 020, 566. 00
1888	44, 483, 796. 70	25, 582, 874. 95	25, 631, 136. 58	24, 091, 803. 67
Total	408, 005, 871. 34	247, 114, 965. 86	247, 451, 130. 79	265, 923, 327. 38

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR

[Coinage of the mint at Philadelphia from

NOTE.—Not susceptible of exact statement by years of actual date of coin, the registry of annual coinage being of coin delivered by coiners of mints within the given year, and these deliveries not having been invariably completed within the year of the date of coin, as now required.

Calendar years.	GOLD COINAGE.					
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.
1793 to 1795	\$27, 950	\$43, 535	.....	.....	.....
1796.....	60, 800	16, 995	.....	\$165. 00	.....
1797.....	91, 770	32, 030	.....	4, 390. 00	.....
1798.....	79, 740	124, 335	.....	1, 535. 00	.....
1799.....	174, 830	37, 255	.....	1, 200. 00	.....
1800.....	259, 650	58, 110	.....	.....	.....
1801.....	292, 540	130, 030	.....	.....	.....
1802.....	150, 900	265, 880	.....	6, 530. 00	.....
1803.....	89, 790	167, 530	.....	1, 057. 50	.....
1804.....	97, 950	152, 375	.....	8, 317. 50	.....
1805.....	165, 915	.....	4, 452. 50	.....
1806.....	320, 465	.....	4, 040. 00	.....
1807.....	420, 465	.....	17, 030. 00	.....
1808.....	277, 890	.....	6, 775. 00	.....
1809.....	169, 375	.....	.....	.....
1810.....	501, 435	.....	.....	.....
1811.....	497, 905	.....	.....	.....
1812.....	290, 435	.....	.....	.....
1813.....	477, 140	.....	.....	.....
1814.....	77, 270	.....	.....	.....
1815.....	3, 175	.....	.....	.....
1816.....
1817.....
1818.....	242, 940	.....	.....	.....
1819.....	258, 615	.....	.....	.....
1820.....	1, 319, 030	.....	.....	.....
1821.....	173, 205	.....	13, 120. 00	.....
1822.....	88, 980	.....	.....	.....
1823.....	72, 425	.....	.....	.....
1824.....	86, 700	.....	6, 500. 00	.....
1825.....	145, 300	.....	11, 085. 00	.....
1826.....	90, 345	.....	1, 900. 00	.....
1827.....	124, 565	.....	7, 000. 00	.....
1828.....	140, 145	.....	.....	.....
1829.....	287, 210	.....	8, 507. 50	.....
1830.....	631, 755	.....	11, 350. 00	.....
1831.....	702, 970	.....	11, 300. 00	.....
1832.....	787, 435	.....	11, 000. 00	.....
1833.....	968, 150	.....	10, 400. 00	.....
1834.....	3, 660, 845	.....	293, 425. 00	.....
1835.....	1, 857, 670	.....	328, 505. 00	.....
1836.....	2, 765, 735	.....	1, 369, 965. 00	.....
1837.....	1, 035, 605	.....	112, 700. 00	.....
1838.....	72, 000	1, 432, 940	.....	117, 575. 00	.....
1839.....	382, 480	590, 715	.....	67, 552. 50	.....
1840.....	473, 380	686, 910	.....	47, 147. 50	.....
1841.....	631, 310	79, 165	.....	.....	.....
1842.....	815 070	137, 890	.....	7, 057. 50	.....
1843.....	754, 620	3, 056, 025	.....	251, 365. 00	.....

ORGANIZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES.

its organization, 1793, to December 31, 1888.]

SILVER COINAGE.

Trade dollars.	Dollars.	Half dollars.	Quarter dollars.	Twenty cents.	Dimes.	Half dimes.	Three cents.
.....	\$204,791.00	\$161,572.00	.....	.....	.....	\$4,320.80	.....
.....	72,920.00	.....	\$1,473.50	.....	\$2,213.50	511.50	.....
.....	7,776.00	1,959.00	63.00	.....	2,526.10	2,226.35	.....
.....	327,536.00	.....	.....	.....	2,755.00	.....	.....
.....	423,515.00	.....	.....	.....	.....	.....	.....
.....	220,920.00	.....	.....	.....	2,176.00	1,200.00	.....
.....	54,454.00	15,144.50	.....	.....	3,464.00	1,695.50	.....
.....	41,650.00	14,945.00	.....	.....	1,097.50	650.50	.....
.....	66,064.00	15,857.50	.....	.....	3,304.00	1,892.50	.....
.....	19,570.00	78,259.50	1,684.50	.....	826.50	.....	.....
.....	321.00	105,861.00	30,348.50	.....	12,078.00	780.00	.....
.....	.....	419,788.00	51,531.00	.....	.....	.....	.....
.....	.....	525,788.00	55,160.75	.....	16,500.00	.....	.....
.....	.....	684,300.00	.....	.....	.....	.....	.....
.....	.....	702,905.00	.....	.....	4,471.00	.....	.....
.....	.....	638,138.00	.....	.....	635.50	.....	.....
.....	.....	601,822.00	.....	.....	6,518.00	.....	.....
.....	.....	814,029.50	.....	.....	.....	.....	.....
.....	.....	620,951.50	.....	.....	.....	.....	.....
.....	.....	519,537.50	.....	.....	42,150.00	.....	.....
.....	.....	.....	17,308.00	.....	.....	.....	.....
.....	.....	23,575.00	5,000.75	.....	.....	.....	.....
.....	.....	607,783.50	.....	.....	.....	.....	.....
.....	.....	980,161.00	90,293.50	.....	.....	.....	.....
.....	.....	1,104,000.00	36,000.00	.....	.....	.....	.....
.....	.....	375,561.00	31,861.00	.....	94,258.70	.....	.....
.....	.....	652,898.50	54,212.75	.....	118,651.20	.....	.....
.....	.....	779,786.50	16,020.00	.....	10,000.00	.....	.....
.....	.....	847,100.00	4,450.00	.....	44,000.00	.....	.....
.....	.....	1,752,477.00	.....	.....	.....	.....	.....
.....	.....	1,471,583.00	42,000.00	.....	51,000.00	.....	.....
.....	.....	2,002,090.00	.....	.....	.....	.....	.....
.....	.....	2,746,700.00	1,000.00	.....	121,500.00	.....	.....
.....	.....	1,537,600.00	25,500.00	.....	12,500.00	.....	.....
.....	.....	1,856,078.00	.....	.....	77,000.00	61,500.00	.....
.....	.....	2,382,400.00	.....	.....	51,000.00	62,000.00	.....
.....	.....	2,936,830.00	99,500.00	.....	77,135.00	62,135.00	.....
.....	.....	2,398,500.00	80,000.00	.....	52,250.00	48,250.00	.....
.....	.....	2,603,090.00	39,000.00	.....	48,500.00	68,500.00	.....
.....	.....	3,206,002.00	71,500.00	.....	63,500.00	74,000.00	.....
.....	.....	2,676,003.00	488,000.00	.....	141,000.00	138,000.00	.....
.....	1,000.00	3,273,100.00	118,000.00	.....	119,000.00	95,000.00	.....
.....	.....	1,814,910.00	63,100.00	.....	104,200.00	113,800.00	.....
.....	.....	1,773,000.00	208,600.00	.....	199,250.00	112,750.00	.....
.....	300.00	1,667,280.00	122,786.50	.....	105,311.50	53,457.50	.....
.....	61,005.00	717,504.00	47,031.75	.....	135,858.00	67,204.25	.....
.....	173,000.00	155,000.00	30,000.00	.....	162,250.00	57,500.00	.....
.....	181,618.00	1,006,382.00	22,000.00	.....	188,750.00	40,750.00	.....
.....	165,100.00	1,922,000.00	161,400.00	.....	137,000.00	58,250.00	.....

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION.

[Coinage of the mint at Philadelphia from 1792 to 1891.]

Calendar years.	GOLD COINAGE.					
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.
1844.....		\$63,610	\$1,701,650		\$16,960.00	
1845.....		261,530	2,085,495		227,627.50	
1846.....		200,950	1,979,710		53,995.00	
1847.....		8,622,580	4,579,905		74,535.00	
1848.....		1,454,840	1,203,875		22,215.00	
1849.....		6,536,180	665,350		58,235.00	\$688,567
1850.....	\$23,405,220	2,914,510	322,455		632,307.50	481,953
1851.....	41,743,100	1,763,280	1,887,525		3,431,870.00	3,317,671
1852.....	41,060,520	2,631,060	2,869,505		2,899,202.50	2,045,351
1853.....	25,226,520	2,012,530	1,528,850		3,511,670.00	4,076,051
1854.....	15,157,980	542,500	803,375	\$415,854	1,490,645.00	1,639,445
1855.....	7,293,320	1,217,010	585,490	151,665	588,700.00	758,269
1856.....	6,597,560	604,900	989,950	78,030	960,600.00	1,762,936
1857.....	8,787,500	166,060	490,940	62,673	535,325.00	774,789
1858.....	4,234,280	25,210	75,680	6,399	118,442.50	117,995
1859.....	871,940	160,930	84,070	46,914	98,610.00	168,244
1860.....	11,553,400	117,830	99,125	21,465	56,687.50	36,668
1861.....	59,529,060	1,132,330	3,199,750	18,216	3,181,295.00	527,499
1862.....	1,842,660	109,950	22,325	17,355	280,882.50	1,326,865
1863.....	2,855,800	12,480	12,360	15,117	75.00	6,250
1864.....	4,085,700	35,800	21,100	8,040	7,185.00	5,950
1865.....	7,024,000	40,050	6,475	3,495	3,862.50	3,725
1866.....	13,975,500	37,800	33,600	12,090	7,775.00	7,180
1867.....	5,021,300	31,400	34,600	7,950	8,125.00	5,250
1868.....	1,972,000	106,550	28,625	14,625	9,062.50	10,525
1869.....	3,503,100	18,550	8,925	7,575	10,862.50	5,925
1870.....	3,103,700	25,350	20,175	10,605	11,387.50	6,335
1871.....	1,603,000	17,800	16,150	3,990	13,375.00	3,930
1872.....	5,037,600	16,500	8,450	6,090	7,575.00	3,530
1873.....	34,196,500	8,250	562,525	75	445,062.50	125,125
1874.....	7,336,000	531,600	17,540	125,460	9,850.00	198,820
1875.....	5,914,800	1,200	1,100	60	1,050.00	420
1876.....	11,678,100	7,320	7,385	135	10,552.50	3,215
1877.....	7,953,400	8,170	5,760	4,464	4,130.00	2,920
1878.....	10,872,900	738,000	658,700	246,972	715,650.00	3,020
1879.....	4,152,600	3,847,700	1,509,750	9,090	222,475.00	3,030
1880.....	1,029,120	16,448,760	15,832,180	3,108	7,490.00	1,636
1881.....	45,200	38,772,600	28,544,000	1,650	1,700.00	7,630
1882.....	12,600	23,244,800	12,572,800	4,620	10,100.00	5,040
1883.....	800	2,087,400	1,167,200	2,820	4,900.00	10,840
1884.....	1,420	769,050	955,240	3,318	4,982.50	6,206
1885.....	16,560	2,535,270	3,007,530	2,730	2,217.50	12,205
1886.....	22,120	2,361,600	1,942,160	3,426	10,220.00	6,016
1887.....	2,420	536,800	435	18,480	15,705.00	8,513
1888.....	4,525,320	1,329,960	91,480	15,873	40,245.00	16,080
Total.....	383,244,620	128,563,330	117,994,085	1,350,429	22,571,367.50	18,192,709

ZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

its organization, 1793, to December 31, 1888]

SILVER COINAGE.							
Trade dollars.	Dollars.	Half dollars.	Quarter dollars.	Twenty cents.	Dimes.	Half dimes.	Three cents.
-----	\$20, 000	\$883, 000. 00	\$105, 300. 00	-----	\$7, 250. 00	\$21, 500. 00	-----
-----	24, 500	294, 500. 00	230, 500. 00	-----	175, 500. 00	78, 200. 00	-----
-----	110, 600	1, 105, 000. 00	127, 500. 00	-----	3, 130. 00	1, 350. 00	-----
-----	140, 750	578, 000. 00	183, 500. 00	-----	24, 500. 00	63, 700. 00	-----
-----	15, 000	290, 000. 00	36, 500. 00	-----	45, 150. 00	33, 400. 00	-----
-----	62, 600	626, 000. 00	85, 000. 00	-----	83, 900. 00	65, 450. 00	-----
-----	7, 500	113, 500. 00	47, 700. 00	-----	193, 150. 00	47, 750. 00	-----
-----	1, 300	100, 375. 00	40, 000. 00	-----	102, 650. 00	39, 050. 00	\$163, 422. 00
-----	1, 100	38, 565. 00	44, 265. 00	-----	153, 550. 00	50, 025. 00	559, 905. 00
-----	46, 110	1, 766, 354. 00	3, 813, 555. 00	-----	1, 217, 301. 00	667, 251. 00	342, 000. 00
-----	33, 140	1, 491, 000. 00	3, 095, 000. 00	-----	447, 000. 00	287, 000. 00	20, 130. 00
-----	26, 000	379, 750. 00	714, 250. 00	-----	207, 500. 00	87, 500. 00	4, 170. 00
-----	63, 500	469, 000. 00	1, 816, 000. 00	-----	578, 000. 00	244, 000. 00	43, 740. 00
-----	94, 000	994, 000. 00	2, 411, 000. 00	-----	558, 000. 00	364, 000. 00	31, 260. 00
-----	-----	2, 113, 000. 00	1, 842, 000. 00	-----	154, 000. 00	175, 000. 00	48, 120. 00
-----	256, 500	374, 000. 00	336, 000. 00	-----	43, 000. 00	17, 000. 00	10, 950. 00
-----	218, 930	151, 850. 00	201, 350. 00	-----	60, 700. 00	39, 950. 00	8, 610. 00
-----	78, 500	1, 444, 200. 00	1, 213, 650. 00	-----	192, 400. 00	164, 050. 00	14, 940. 00
-----	12, 090	126, 175. 00	233, 137. 50	-----	84, 755. 00	74, 627. 50	10, 906. 50
-----	27, 660	251, 830. 00	48, 015. 00	-----	1, 446. 00	923. 00	643. 80
-----	31, 170	189, 785. 00	23, 517. 50	-----	3, 907. 00	23. 50	14. 10
-----	47, 000	255, 950. 00	14, 825. 00	-----	1, 050. 00	675. 00	255. 00
-----	49, 625	372, 812. 50	4, 381. 25	-----	872. 50	536. 25	681. 75
-----	60, 325	212, 162. 50	5, 156. 25	-----	662. 50	431. 25	138. 75
-----	182, 700	189, 100. 00	7, 500. 00	-----	46, 625. 00	4, 295. 00	123. 00
-----	424, 300	397, 950. 00	4, 150. 00	-----	25, 660. 00	10, 430. 00	153. 00
-----	433, 900	300, 450. 00	21, 850. 00	-----	47, 150. 00	26, 830. 00	120. 00
-----	1, 115, 760	582, 680. 00	42, 808. 00	-----	75, 361. 00	74, 443. 00	127. 80
-----	1, 106, 450	440, 775. 00	45, 737. 50	-----	239, 645. 00	147, 397. 50	58. 50
\$397, 500	293, 600	1, 308, 750. 00	371, 075. 00	-----	394, 710. 00	35, 630. 00	18. 00
987, 800	-----	1, 180, 150. 00	117, 975. 00	-----	294, 070. 00	-----	-----
218, 900	-----	3, 013, 750. 00	1, 073, 375. 00	\$7, 940	1, 035, 070. 00	-----	-----
456, 150	-----	4, 209, 575. 00	4, 454, 287. 50	3, 180	1, 146, 115. 00	-----	-----
3, 039, 710	-----	4, 152, 255. 00	2, 727, 927. 50	102	731, 051. 00	-----	-----
900	10, 509, 550	689, 200. 00	565, 200. 00	120	167, 880. 00	-----	-----
1, 541	14, 807, 100	2, 950. 00	3, 675. 00	-----	1, 510. 00	-----	-----
1, 987	12, 601, 355	4, 877. 50	3, 738. 75	-----	3, 735. 50	-----	-----
960	9, 163, 975	5, 487. 50	3, 243. 75	-----	2, 497. 50	-----	-----
1, 097	11, 101, 100	2, 750. 00	4, 075. 00	-----	391, 110. 00	-----	-----
979	12, 291, 039	4, 519. 50	3, 859. 75	-----	767, 571. 20	-----	-----
-----	14, 070, 875	2, 637. 50	2, 218. 75	-----	336, 638. 00	-----	-----
-----	17, 787, 767	3, 065. 00	3, 632. 50	-----	253, 342. 70	-----	-----
-----	19, 963, 886	2, 943. 00	1, 471. 50	-----	637, 757. 00	-----	-----
-----	20, 290, 710	2, 855. 00	2, 677. 50	-----	1, 128, 393. 90	-----	-----
-----	19, 183, 833	6, 416. 50	2, 708. 25	-----	549, 648. 70	-----	-----
5, 107, 524	168, 779, 440	82, 314, 108. 00	28, 149, 514. 25	11, 342	14, 829, 545. 00	3, 918, 791. 90	1, 260, 487. 20

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION TO THE PRESENT TIME.
[Coinage of the mint at Philadelphia from 1793 to 1834.]

Calendar years.	MINOR COINAGE.		
	Five cents.	Three cents.	Two cents.
1793-1795.....			
1796.....			
1797.....			
1798.....			
1799.....			
1800.....			
1801.....			
1802.....			
1803.....			
1804.....			
1805.....			
1806.....			
1807.....			
1808.....			
1809.....			
1810.....			
1811.....			
1812.....			
1813.....			
1814.....			
1815.....			
1816.....			
1817.....			
1818.....			
1819.....			
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1821.....			
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1827.....			
1828.....			
1829.....			
1830.....			
1831.....			
1832.....			
1833.....			
1834.....			
1835.....			
1836.....			
1837.....			
1838.....			
1839.....			
1840.....			
1841.....			
1842.....			
1843.....			

IZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.
its organization, 1793, to December 31, 1888.]

MINOR COINAGE.		TOTAL COINAGE.			
Cents.	Half-cents.	Gold.	Silver.	Minor.	Total.
\$10,660.33	\$712.67	\$71,485.00	\$370,683.80	\$11,373.00	\$453,541.80
9,747.00	577.40	77,960.00	77,118.50	10,324.40	165,402.90
8,975.10	535.24	128,190.00	14,550.45	9,510.34	152,250.79
9,797.00	-----	205,610.00	330,291.00	9,797.00	545,698.00
9,045.85	60.83	213,285.00	423,515.00	9,106.68	645,906.68
28,221.75	1,057.65	317,760.00	224,296.00	29,279.40	571,335.40
13,628.37	-----	422,570.00	74,758.00	13,628.37	510,956.37
34,351.00	71.83	423,310.00	58,343.00	34,422.83	516,075.83
24,713.53	489.50	258,377.50	87,118.00	25,203.03	370,698.53
7,568.38	5,276.56	258,642.50	100,340.50	12,844.94	371,827.94
9,411.16	4,072.32	170,367.50	149,388.50	13,483.48	333,239.48
3,480.00	1,780.00	324,505.00	471,319.00	5,260.00	801,084.00
7,272.21	2,380.00	437,495.00	597,448.75	9,652.21	1,044,595.96
11,090.00	2,000.00	284,665.00	684,300.00	13,090.00	982,055.00
2,228.67	5,772.86	169,375.00	707,376.00	8,001.53	884,752.53
14,585.00	1,075.00	501,435.00	638,773.50	15,660.00	1,155,868.50
2,180.25	315.70	497,905.00	608,340.00	2,495.95	1,108,740.95
10,755.00	-----	290,435.00	814,029.50	10,755.00	1,115,219.50
4,180.00	-----	477,140.00	620,951.50	4,180.00	1,102,271.50
3,578.30	-----	77,270.00	561,687.50	3,578.30	642,535.80
-----	-----	3,175.00	17,308.00	-----	20,483.00
28,209.82	-----	-----	28,575.75	28,209.82	56,785.57
39,484.00	-----	-----	607,783.50	39,484.00	647,267.50
31,670.00	-----	242,940.00	1,070,454.50	31,670.00	1,345,064.50
26,710.00	-----	258,615.00	1,140,000.00	26,710.00	1,425,325.00
44,075.50	-----	1,319,030.00	501,680.70	44,075.50	1,864,786.20
3,890.00	-----	189,325.00	825,762.45	3,890.00	1,018,977.45
20,723.39	-----	88,980.00	805,806.50	20,723.39	915,509.89
-----	-----	72,425.00	895,550.00	-----	967,975.00
12,620.00	-----	93,200.00	1,752,477.00	12,620.00	1,858,297.00
14,611.00	315.00	156,385.00	1,564,583.60	14,926.00	1,735,894.00
15,174.25	1,170.00	92,245.00	2,002,090.00	16,344.25	2,110,679.25
23,577.32	-----	131,565.00	2,869,200.00	23,577.32	3,024,342.32
22,606.24	3,030.00	140,145.00	1,575,600.00	25,636.24	1,741,381.24
14,145.00	2,435.00	295,717.50	1,994,578.00	16,580.00	2,306,875.50
17,115.00	-----	643,105.00	2,495,400.00	17,115.00	3,155,620.00
33,592.60	11.00	714,270.00	3,175,600.00	33,603.60	3,923,473.60
23,620.00	-----	798,435.00	2,579,000.00	23,620.00	3,401,055.00
27,390.00	770.00	978,550.00	2,759,000.00	28,160.00	3,765,710.00
18,551.00	600.00	3,954,270.00	3,415,002.00	19,151.00	7,388,423.00
38,784.00	705.00	2,186,175.00	3,443,093.00	39,489.00	5,668,667.00
21,110.00	1,990.00	4,135,700.00	3,606,100.00	23,100.00	7,764,900.00
55,583.00	-----	1,148,305.00	2,096,010.00	55,583.00	3,299,898.00
63,702.00	-----	1,622,515.00	2,293,000.00	63,702.00	3,979,217.00
31,286.61	-----	1,040,747.50	1,949,135.50	31,286.61	3,021,169.61
24,627.00	-----	1,207,437.50	1,028,603.00	24,627.00	2,260,667.50
15,973.67	-----	710,475.00	577,750.00	15,973.67	1,304,198.67
23,833.90	-----	960,017.50	1,442,500.00	23,833.90	2,426,351.40
24,283.20	-----	4,062,010.00	2,443,750.00	24,283.20	6,530,043.20

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION

[Coinage of the mint at Philadelphia from 1792 to 1892.]

Calendar years.	MINOR COINAGE.		
	Five cents.	Three cents.	Two cents.
1844.....			
1845.....			
1846.....			
1847.....			
1848.....			
1849.....			
1850.....			
1851.....			
1852.....			
1853.....			
1854.....			
1855.....			
1856.....			
1857.....			
1858.....			
1859.....			
1860.....			
1861.....			
1862.....			
1863.....			
1864.....			\$396,950.00
1865.....		\$341,460.00	272,800.00
1866.....	\$737,125.00	144,030.00	63,540.00
1867.....	1,545,475.00	117,450.00	58,775.00
1868.....	1,440,850.00	97,560.00	56,075.00
1869.....	819,750.00	48,120.00	30,930.00
1870.....	240,300.00	40,050.00	17,225.00
1871.....	28,050.00	18,120.00	14,425.00
1872.....	301,800.00	25,860.00	1,300.00
1873.....	227,500.00	35,190.00	
1874.....	176,900.00	23,700.00	
1875.....	104,850.00	6,810.00	
1876.....	126,500.00	4,860.00	
1877.....			
1878.....	117.50	70.50	
1879.....	1,455.00	1,236.00	
1880.....	997.75	748.65	
1881.....	3,618.75	32,417.25	
1882.....	573,830.00	759.00	
1883.....	1,148,471.05	318.27	
1884.....	563,697.10	169.26	
1885.....	73,824.50	143.70	
1886.....	166,514.50	128.70	
1887.....	763,182.60	238.83	
1888.....	536,024.15	1,232.49	
Total.....	9,580,832.90	940,702.65	912,020.00

ZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

its organization, 1793, to December 31, 1888.]

MINOR COINAGE.		TOTAL COINAGE.			
Cents.	Half-cents.	Gold.	Silver.	Minor.	Total.
\$23,987.52	\$1,782,220.00	\$1,037,050.00	\$23,987.52	\$2,843,257.52
38,948.04	2,574,652.50	803,200.00	38,948.04	3,416,800.54
41,208.00	2,234,655.00	1,347,580.00	41,208.00	3,623,443.00
61,836.69	13,277,020.00	990,450.00	61,836.69	14,329,306.69
64,157.99	2,780,930.00	420,050.00	64,157.99	3,265,137.99
41,785.00	\$199.32	7,948,332.00	922,950.00	41,984.32	8,913,266.32
44,268.44	199.06	27,756,445.50	409,600.00	44,467.50	28,210,513.00
98,897.07	738.36	52,143,446.00	446,797.00	99,635.43	52,689,878.43
50,630.94	51,505,638.50	847,410.00	50,630.94	52,403,679.44
66,411.31	648.47	36,355,621.00	7,852,571.00	67,059.78	44,275,251.78
42,361.56	276.79	20,049,799.00	5,373,270.00	42,638.35	25,465,707.35
15,748.29	282.50	10,594,454.00	1,419,170.00	16,030.79	12,029,654.79
26,904.63	202.15	10,993,976.00	3,214,240.00	27,106.78	14,235,322.78
177,834.56	175.90	10,817,287.00	4,452,260.00	178,010.46	15,447,557.46
246,000.00	4,578,006.50	4,332,120.00	246,000.00	9,156,126.50
364,000.00	1,430,708.00	1,037,450.00	364,000.00	2,832,158.00
205,660.00	11,885,175.50	681,390.00	205,660.00	12,772,225.50
101,000.00	67,538,150.00	3,107,740.00	101,000.00	70,796,890.00
280,750.00	3,600,037.50	541,691.50	280,750.00	4,422,479.00
498,400.00	2,902,082.00	330,517.80	498,400.00	3,730,999.80
529,737.14	4,163,775.00	248,417.10	926,687.14	5,338,879.24
354,292.86	7,081,607.50	319,755.00	968,552.86	8,369,915.36
98,265.00	14,073,945.00	428,909.25	1,042,960.00	15,545,814.25
98,210.00	5,108,625.00	278,876.25	1,819,910.00	7,307,411.25
102,665.00	2,141,387.50	430,343.00	1,697,150.00	4,268,880.50
64,200.00	3,554,937.50	862,643.00	963,000.00	5,380,580.50
52,750.00	3,177,552.50	829,400.00	350,325.00	4,357,277.50
39,295.00	1,658,245.00	1,891,179.80	99,890.00	3,649,314.80
40,420.00	5,079,745.00	1,980,063.50	369,380.00	7,429,188.50
116,765.00	35,337,537.50	2,801,283.00	379,455.00	38,518,275.50
141,875.00	8,219,270.00	2,579,995.00	342,475.00	11,141,740.00
135,280.00	5,918,630.00	5,349,035.00	246,970.00	11,514,635.00
79,440.00	11,706,737.50	10,269,207.50	210,800.00	22,186,845.00
8,525.00	7,979,844.00	10,651,045.50	8,525.00	18,639,414.50
57,998.50	13,235,242.00	11,932,850.00	58,186.50	25,226,278.50
162,312.00	9,744,645.00	14,816,776.00	165,003.00	24,726,424.00
389,649.55	33,322,294.00	12,615,693.75	391,395.95	46,329,383.70
392,115.75	67,372,810.00	9,176,163.75	428,151.75	76,977,125.50
385,811.00	35,849,960.00	11,500,132.00	960,400.00	48,310,492.00
455,981.09	3,273,960.00	13,067,968.45	1,604,770.41	17,946,698.86
232,617.42	1,740,216.50	14,412,369.25	796,483.78	16,949,069.53
117,653.84	5,576,512.50	18,047,807.20	191,622.04	23,815,941.74
176,542.90	4,345,542.00	20,606,057.50	343,186.10	25,294,785.60
452,264.83	582,383.00	21,424,626.40	1,215,686.26	23,222,705.66
374,944.14	6,018,958.00	19,742,606.45	912,200.78	26,673,765.23
8,492,818.46	39,926.11	671,916,540.50	304,400,752.35	19,966,300.12	996,283,592.97

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION

[Coinage of the mint at New Orleans from its organization, 1838, to

Calendar years.	GOLD.						SILVER.
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.	Dollars.
1838.....							
1839.....					\$14,452.50		
1840.....			\$152,000		65,500.00		
1841.....		\$25,000	41,750		18,450.00		
1842.....		274,000	82,000		49,500.00		
1843.....		1,751,620	505,375		920,005.00		
1844.....		1,187,000	1,823,000				
1845.....		475,000	205,000				
1846.....		817,800	290,000		165,000.00		\$59,000
1847.....		5,715,000	60,000		310,000.00		
1848.....		358,500					
1849.....		229,000				\$215,000	
1850.....	\$2,820,000	575,000			210,000.00	14,000	40,000
1851.....	6,300,000	2,630,000	205,000		370,000.00	290,000	
1852.....	3,800,000	180,000			350,000.00	140,000	
1853.....	1,420,000	510,600				290,000	
1854.....	65,000	525,000	230,000	\$72,000	382,500.00		
1855.....	160,000	180,000	55,500			55,000	
1856.....	45,000	145,000	50,000		52,750.00		
1857.....	600,000	55,000	65,000		85,000.00		
1858.....	705,000	200,000					
1859.....	182,000	23,000					360,000
1860.....	132,000	111,000					515,000
1861*.....	100,000						
1879.....	46,500	15,000					2,887,000
1880.....		92,000					5,305,000
1881.....		83,500					5,768,000
1882.....		108,200					6,090,000
1883.....		8,000					8,725,000
1884.....							9,730,000
1885.....							9,185,000
1886.....							10,710,000
1887.....							11,550,000
1888.....		213,350					12,150,000
Total.....	16,375,500	16,496,970	3,764,625	72,000	3,023,157.50	1,004,000	83,014,000

* No coinage from 1862 to 1878, inclusive.

ZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

its suspension, 1861, and from its re-opening, 1879, to December 31, 1888.]

SILVER—continued.					Total gold.	Total silver.	Total value.
Half dollars.	Quarter dollars.	Dimes.	Half dimes.	Three cents.			
		\$40, 243. 40				\$40, 243. 40	\$40, 243. 40
\$81, 488		124, 327. 20	\$54, 827. 50		\$44, 452. 50	260, 612. 70	305, 095. 20
427, 550	\$106, 300	117, 500. 00	46, 750. 00		217, 500. 00	698, 100. 00	915, 600. 00
200, 500	113, 000	200, 750. 00	40, 750. 00		85, 200. 00	555, 000. 00	640, 200. 00
478, 500	192, 250	202, 000. 00	17, 500. 00		405, 500. 00	890, 250. 00	1, 295, 750. 00
1, 134, 000	242, 000	15, 000. 00			3, 177, 000. 00	1, 391, 000. 00	4, 568, 000. 00
1, 002, 500	185, 000		11, 000. 00		3, 010, 000. 00	1, 198, 500. 00	4, 208, 500. 00
1, 047, 000		23, 000. 00			650, 000. 00	1, 070, 000. 00	1, 750, 000. 00
1, 152, 000					1, 272, 800. 00	1, 211, 000. 00	2, 483, 800. 00
1, 292, 000	92, 000				6, 085, 000. 00	1, 384, 000. 00	7, 469, 000. 00
1, 590, 000			30, 000. 00		358, 500. 00	1, 620, 000. 00	1, 978, 500. 00
1, 155, 000		30, 000. 00	7, 000. 00		454, 000. 00	1, 192, 000. 00	1, 646, 000. 00
1, 228, 000	103, 000	51, 000. 00	34, 500. 00		3, 619, 000. 00	1, 456, 500. 00	5, 075, 500. 00
201, 000	22, 000	40, 000. 00	43, 000. 00	\$21, 600	9, 795, 000. 00	327, 600. 00	10, 122, 600. 00
72, 000	24, 000	43, 000. 00	13, 000. 00		4, 470, 000. 00	152, 000. 00	4, 622, 000. 00
664, 000	333, 000	110, 000. 00	118, 000. 00		2, 220, 000. 00	1, 225, 000. 00	3, 445, 000. 00
2, 620, 000	371, 000	177, 000. 00	78, 000. 00		1, 274, 500. 00	3, 246, 000. 00	4, 520, 500. 00
1, 844, 000	44, 000		30, 000. 00		450, 500. 00	1, 918, 000. 00	2, 368, 500. 00
1, 329, 000	242, 000	118, 000. 00	55, 000. 00		292, 750. 00	1, 744, 000. 00	2, 036, 750. 00
409, 000	295, 000	154, 000. 00	60, 000. 00		805, 000. 00	927, 000. 00	1, 732, 000. 00
3, 647, 000	130, 000	29, 000. 00	83, 000. 00		905, 000. 00	3, 889, 000. 00	4, 794, 000. 00
1, 417, 000	65, 000	48, 000. 00	28, 000. 00		205, 000. 00	1, 918, 000. 00	2, 123, 000. 00
645, 000	97, 000	4, 000. 00	53, 000. 00		243, 000. 00	1, 314, 000. 00	1, 557, 000. 00
165, 000					100, 000. 00	165, 000. 00	265, 000. 00
					61, 500. 00	2, 887, 000. 00	2, 948, 500. 00
					92, 000. 00	5, 305, 000. 00	5, 397, 000. 00
					83, 500. 00	5, 708, 000. 00	5, 791, 500. 00
					108, 200. 00	6, 090, 000. 00	6, 198, 200. 00
					8, 000. 00	8, 725, 000. 00	8, 733, 000. 00
						9, 730, 000. 00	9, 730, 000. 00
						9, 185, 000. 00	9, 185, 000. 00
						10, 710, 000. 00	10, 710, 000. 00
						11, 550, 000. 00	11, 550, 000. 00
					213, 350. 00	12, 150, 000. 00	12, 363, 350. 00
23, 801, 538	2, 656, 550	1, 526, 820. 60	812, 327. 50	21, 600	40, 736, 252. 50	111, 832, 836. 10	152, 569, 088. 60

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

[Coinage of the mint at Dahlonega, Ga., from its organization, 1838, to its suspension, 1861.]

Calendar year.	GOLD.				Total value.
	Half eagles.	Three dollars.	Quarter eagles.	Dollars.	
1838	\$102,915				\$102,915.00
1839	94,695		\$34,185.00		128,880.00
1840	114,480		8,830.00		123,310.00
1841	152,475		10,410.00		162,885.00
1842	298,040		11,607.50		309,647.50
1843	492,260		90,522.50		582,782.50
1844	444,910		43,330.00		488,240.00
1845	453,145		48,650.00		501,795.00
1846	401,470		48,257.50		449,727.50
1847	322,025		39,460.00		361,485.00
1848	237,325		34,427.50		271,752.50
1849	195,180		27,362.50	\$21,588	244,130.50
1850	219,750		30,370.00	8,382	258,502.00
1851	313,550		28,169.00	9,882	351,592.00
1852	457,260		10,195.00	6,360	473,815.00
1853	448,390		7,945.00	6,583	462,918.00
1854	232,065	\$3,360	4,400.00	2,935	292,760.00
1855	112,160		2,807.50	1,811	116,778.50
1856	98,930		2,185.00	1,460	102,575.00
1857	85,220		5,910.00	3,533	91,673.00
1858	76,810			3,477	80,287.00
1859	51,830		5,610.00	4,952	62,392.00
1860	73,175			1,566	74,741.00
1861	7,985				7,985.00
Total.....	5,536,055	3,360	494,625.00	72,529	6,106,569.00

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

[Coinage of the mint at Charlotte, N. C., from its organization, 1838, to its suspension, 1861.]

Calendar year.	GOLD.			Total value.
	Half eagles.	Quarter eagles.	Dollars.	
1838.....	\$64,565	\$19,770.00	.....	\$84,335.00
1839.....	117,335	45,432.50	.....	162,767.50
1840.....	95,140	32,095.00	.....	127,235.00
1841.....	107,555	25,742.50	.....	133,297.50
1842.....	137,400	16,842.50	.....	154,242.50
1843.....	221,765	65,240.00	.....	287,005.00
1844 *	118,155	29,055.00	.....	147,210.00
1845.....	.....	.....	.....	.....
1846.....	64,975	12,020.00	.....	76,995.00
1847.....	420,755	58,065.00	.....	478,820.00
1848.....	322,360	41,970.00	.....	364,330.00
1849.....	324,115	25,550.00	\$11,634	361,299.00
1850.....	317,955	22,870.00	6,966	347,791.00
1851.....	245,880	37,307.50	41,267	324,454.50
1852.....	362,870	24,430.00	9,434	396,734.00
1853.....	327,855	.....	11,515	339,370.00
1854.....	196,455	18,237.50	4	214,696.50
1855.....	198,940	9,192.50	9,803	217,935.50
1856.....	142,285	19,782.50	.....	162,067.50
1857.....	156,800	.....	13,280	170,080.00
1858.....	194,289	22,610.00	.....	216,920.00
1859.....	159,235	.....	5,235	164,470.00
1860.....	74,065	18,672.50	.....	92,737.50
1861.....	34,395	.....	.....	34,395.00
Total	4,405,135	544,915.00	109,138	5,059,188.00

* Mint burned July 27, 1844.

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR

[Coinage of the mint at San Francisco]

Calendar years.	GOLD.						SILVER.	
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.	Dollars.	Trade dollars.
1854	\$2, 829, 360	\$1, 238, 260	\$1, 340	.....	\$615	\$14, 632	.....	.....
1855	17, 593, 500	90, 000	305, 000	\$19, 800	.....	.....	.....	.....
1856	23, 795, 000	680, 000	525, 500	103, 500	177, 800	24, 600	.....	.....
1857	19, 410, 000	260, 000	435, 000	42, 000	170, 000	10, 000	.....	.....
1858	16, 934, 200	118, 000	93, 000	.....	3, 000	10, 000	.....	.....
1859	12, 728, 900	50, 000	65, 100	.....	38, 000	15, 000	\$20, 000	.....
1860	10, 899, 000	50, 000	106, 000	21, 000	83, 000	13, 000	.....	.....
1861	15, 360, 000	135, 000	90, 000	.....	60, 000	.....	.....	.....
1862	17, 083, 460	125, 000	47, 500	.....	20, 000	.....	.....	.....
1863	19, 331, 400	100, 000	85, 000	.....	27, 000	.....	.....	.....
1864	15, 873, 200	25, 000	19, 440	.....	.....	.....	.....	.....
1865	20, 850, 000	167, 000	138, 000	.....	58, 440	.....	.....	.....
1866	16, 845, 000	200, 000	219, 600	.....	97, 400	.....	.....	.....
1867	18, 415, 000	90, 000	145, 000	.....	70, 000	.....	.....	.....
1868	16, 750, 000	135, 000	260, 000	.....	85, 000	.....	.....	.....
1869	13, 735, 000	64, 300	155, 000	.....	73, 750	.....	.....	.....
1870	19, 640, 000	80, 000	85, 000	.....	40, 000	3, 000	.....	.....
1871	18, 560, 000	165, 000	125, 000	.....	55, 000	.....	.....	.....
1872	15, 600, 000	173, 000	182, 000	.....	45, 000	.....	9, 000	.....
1873	20, 812, 000	120, 000	155, 000	.....	67, 500	.....	700	\$703, 000
1874	24, 280, 000	100, 000	80, 000	.....	.....	.....	.....	2, 549, 000
1875	24, 600, 000	.....	45, 000	.....	29, 000	.....	.....	4, 487, 000
1876	21, 940, 000	50, 000	20, 000	.....	12, 500	.....	.....	5, 227, 000
1877	34, 700, 000	170, 000	133, 500	.....	88, 500	.....	.....	9, 519, 000
1878	34, 780, 000	261, 000	723, 500	.....	445, 000	.....	9, 774, 000	4, 162, 000
1879	24, 476, 000	2, 240, 000	2, 131, 000	.....	108, 750	.....	9, 110, 000	.....
1880	16, 720, 000	5, 062, 500	6, 744, 500	.....	.....	.....	8, 900, 000	.....
1881	14, 540, 000	9, 700, 000	4, 815, 000	.....	.....	.....	12, 760, 000	.....
1882	22, 500, 000	1, 320, 000	4, 815, 000	.....	.....	.....	9, 250, 000	.....
1883	23, 780, 000	380, 000	416, 000	.....	.....	.....	6, 250, 000	.....
1884	18, 320, 000	1, 242, 500	885, 000	.....	.....	.....	3, 200, 000	.....
1885	13, 670, 000	2, 280, 000	6, 057, 500	.....	.....	.....	1, 497, 000	.....
1886 .....	.....	8, 260, 000	16, 340, 000	.....	.....	.....	750, 000	.....
1887	5, 660, 000	8, 170, 000	9, 560, 000	.....	.....	.....	1, 771, 000	.....
1888	17, 192, 000	6, 487, 000	1, 469, 500	.....	.....	.....	657, 000	.....
Total.....	640, 203, 020	49, 828, 560	57, 534, 040	186, 300	1, 861, 255	90, 232	63, 918, 700	26, 647, 000

ORGANIZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES.—Cont'd.
from its organization, 1854, to December 31, 1888. |

SILVER.					Total gold.	Total silver.	Total value.
Half dollars.	Quarter dollars.	Twenty cents.	Dimes.	Half dimes.			
					\$4, 084, 207. 00		\$4, 084, 207. 00
\$64, 975. 00	\$99, 100. 00				18, 008, 300. 00	\$164, 075. 00	18, 172, 375. 00
105, 500. 00	71, 500. 00		\$7, 000. 00		25, 306, 400. 00	184, 000. 00	25, 490, 400. 00
79, 000. 00	20, 500. 00				20, 327, 000. 00	99, 500. 00	20, 426, 500. 00
238, 000. 00	30, 250. 00		6, 000. 00		17, 158, 200. 00	274, 250. 00	17, 432, 450. 00
283, 000. 00	20, 000. 00		6, 000. 00		12, 918, 000. 00	329, 000. 00	13, 247, 000. 00
236, 000. 00	14, 000. 00		14, 000. 00		11, 178, 000. 00	264, 000. 00	11, 442, 000. 00
469, 750. 00	24, 000. 00		17, 250. 00		15, 665, 000. 00	511, 000. 00	16, 176, 000. 00
676, 000. 00	16, 750. 00		18, 075. 50		17, 275, 960. 00	710, 825. 00	17, 986, 785. 00
458, 000. 00			15, 750. 00	\$5, 000. 00	19, 543, 400. 00	478, 750. 00	20, 022, 150. 00
329, 000. 00	5, 000. 00		23, 000. 00	4, 500. 00	15, 917, 640. 00	361, 500. 00	16, 279, 140. 00
337, 500. 00	10, 250. 00		17, 500. 00	6, 000. 00	21, 213, 500. 00	371, 250. 00	21, 584, 750. 00
527, 000. 00	7, 000. 00		13, 500. 00	6, 000. 00	17, 362, 000. 00	553, 500. 00	17, 915, 500. 00
598, 000. 00	12, 000. 00		14, 000. 00	6, 000. 00	18, 720, 000. 00	630, 000. 00	19, 350, 000. 00
580, 030. 00	24, 000. 00		26, 000. 00	14, 000. 00	17, 230, 000. 00	644, 000. 00	17, 874, 000. 00
328, 000. 00	19, 000. 00		45, 000. 00	11, 500. 00	14, 028, 050. 00	403, 500. 00	14, 431, 550. 00
502, 000. 00			5, 000. 00		19, 848, 000. 00	507, 000. 00	20, 355, 000. 00
1, 089, 000. 00	7, 725. 00		32, 000. 00	8, 050. 00	18, 905, 000. 00	1, 136, 775. 00	20, 041, 775. 00
290, 000. 00	20, 750. 00		19, 000. 00	41, 850. 00	16, 000, 000. 00	380, 600. 00	16, 380, 600. 00
116, 500. 00	39, 000. 00		45, 500. 00	16, 200. 00	21, 154, 500. 00	920, 900. 00	22, 075, 400. 00
197, 000. 00	98, 000. 00		24, 000. 00		24, 460, 000. 00	2, 868, 000. 00	27, 328, 000. 00
1, 600, 000. 00	170, 000. 00	\$231, 000. 00	907, 000. 00		24, 674, 000. 00	7, 395, 000. 00	32, 069, 000. 00
2, 264, 000. 00	2, 149, 000. 00		1, 042, 000. 00		32, 022, 500. 00	10, 682, 000. 00	42, 704, 500. 00
2, 678, 000. 00	2, 249, 000. 00		234, 000. 00		35, 092, 000. 00	14, 680, 000. 00	49, 772, 000. 00
6, 000. 00	35, 000. 00				36, 209, 500. 00	13, 977, 000. 00	50, 186, 500. 00
					28, 955, 750. 00	9, 110, 000. 00	38, 065, 750. 00
					28, 527, 000. 00	8, 900, 000. 00	37, 427, 000. 00
					29, 085, 000. 00	12, 760, 000. 00	41, 845, 000. 00
					28, 665, 000. 00	9, 250, 000. 00	37, 915, 000. 00
					24, 576, 000. 00	6, 250, 000. 00	30, 826, 000. 00
			56, 496. 90		20, 447, 500. 00	3, 256, 496. 90	23, 703, 996. 90
			4, 369. 00		22, 007, 500. 00	1, 501, 369. 00	23, 508, 869. 00
			20, 652. 40		24, 600, 000. 00	770, 652. 40	25, 370, 652. 40
			445, 445. 00		23, 390, 000. 00	2, 216, 445. 00	25, 606, 445. 00
	304, 000. 00		172, 000. 00		25, 148, 500. 00	1, 133, 000. 00	26, 281, 500. 00
14, 052, 225. 00	5, 445, 825. 00	231, 000. 00	3, 230, 538. 30	119, 100. 00	749, 703, 407. 00	113, 674, 388. 30	863, 377, 795. 30

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION.

[Coinage of the mint at Carson City.]

Calendar years.	GOLD.			SILVER.	
	Double eagles.	Eagles.	Half eagles.	Dollars.	Trade dollars.
1870	\$75,780	\$59,080	\$38,375	\$12,462	.....
1871	293,740	71,850	103,850	1,376	.....
1872	593,000	55,000	84,960	3,150	.....
1873	448,200	45,430	37,080	2,300	\$124,500
1874	2,301,700	167,670	105,990	.....	1,373,200
1875	2,223,020	77,150	59,140	.....	1,573,700
1876	2,768,820	46,960	34,435	.....	509,000
1877	851,300	33,320	43,400	.....	534,000
1878	263,600	32,440	45,270	2,212,000	97,000
1879	214,160	17,620	86,405	756,000	.....
1880 .....	.....	111,900	255,085	591,000	.....
1881 .....	.....	240,150	69,430	296,000	.....
1882	782,800	67,640	414,085	1,133,000	.....
1883	1,199,240	120,000	64,790	1,204,000	.....
1884	1,622,780	99,250	82,010	1,136,000	.....
1885	189,000	.....	.....	228,000	.....
Total	13,827,140	1,245,460	1,524,245	7,575,288	4,211,400

ATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.
om its organization, 1870, to December 31, 1888.]

SILVER.				Total gold.	Total silver.	Total value.
Half dollars.	Quarter dollars.	Twenty cents.	Dimes.			
\$27,308.50	\$2,085.00	.....	.....	\$173,235	\$41,855.50	\$215,090.50
69,975.00	2,722.50	.....	\$2,010.00	469,440	76,083.50	545,523.50
136,000.00	2,275.00	.....	2,400.00	732,900	143,825.00	876,725.00
168,530.00	4,115.50	.....	3,119.10	530,710	302,564.60	833,274.60
29,500.00	.....	.....	1,031.70	2,575,360	1,403,781.70	3,979,141.70
504,000.00	35,000.00	\$26,658	464,500.00	2,359,310	2,603,858.00	4,963,168.00
978,000.00	1,236,000.00	2,000	827,000.00	2,850,215	3,552,000.00	6,402,215.00
710,000.00	1,048,000.00	.....	770,000.00	928,020	3,062,000.00	3,990,020.00
31,000.00	249,000.00	.....	20,000.00	341,310	2,609,000.00	2,950,310.00
.....	.....	.....	.....	318,185	756,000.00	1,074,185.00
.....	.....	.....	.....	366,985	591,000.00	957,985.00
.....	.....	.....	.....	309,580	296,000.00	605,580.00
.....	.....	.....	.....	1,264,525	1,133,000.00	2,397,525.00
.....	.....	.....	.....	1,384,030	1,204,000.00	2,588,030.00
.....	.....	.....	.....	1,804,040	1,136,000.00	2,940,040.00
.....	.....	.....	.....	189,000	228,000.00	417,000.00
654,313.50	2,579,198.00	28,658	2,090,110.80	16,596,845	19,138,968.30	35,735,813.30

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION TO 1843.
RECAPITULATION.

Calendar years.	GOLD COINAGE.					
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.
1793-1795		\$27,950	\$43,535			
1796		60,800	16,995		\$165.00	
1797		91,770	32,030		4,390.00	
1798		79,740	124,335		1,535.00	
1799		174,830	37,255		1,200.00	
1800		259,650	58,110			
1801		292,540	130,030			
1802		150,900	265,830		6,530.00	
1803		89,790	167,530		1,057.50	
1804		97,950	152,375		8,317.50	
1805			165,915		4,452.50	
1806			320,465		4,040.00	
1807			420,465		17,030.00	
1808			277,890		6,775.00	
1809			169,375			
1810			501,435			
1811			497,905			
1812			290,435			
1813			477,140			
1814			77,270			
1815			3,175			
1816						
1817						
1818			242,940			
1819			258,615			
1820			1,319,030			
1821			173,205		16,120.00	
1822			88,980			
1823			72,425			
1824			86,700		6,500.00	
1825			145,300		11,085.00	
1826			90,345		1,900.00	
1827			124,565		7,000.00	
1828			140,145			
1829			287,210		8,507.50	
1830			631,755		11,350.00	
1831			702,970		11,200.00	
1832			787,435		11,000.00	
1833			968,150		10,400.00	
1834			3,660,845		293,425.00	
1835			1,857,670		328,505.00	
1836			2,765,735		1,369,965.00	
1837			1,035,605		112,700.00	
1838		72,000	1,600,420		137,345.00	
1839		382,480	802,745		191,622.50	
1840		473,380	1,018,530		153,572.50	
1841		656,310	380,945		54,602.50	
1842		1,089,070	655,330		85,007.50	
1843		2,506,240	4,275,425		1,327,132.50	

ATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.
RECAPITULATION.

SILVER COINAGE.

Trade dollars.	Dollars.	Half dollars.	Quarter dollars.	Twenty cents.	Dimes.	Half dimes.	Three cents.
	\$204,791	\$161,572.00				\$4,320.80	
	72,920		\$1,472.50		\$2,213.50	511.50	
	7,776	1,939.00	63.00		2,526.10	2,266.35	
	327,536				2,755.00		
	423,515						
	220,920				2,176.00	1,200.00	
	54,464	15,144.50			3,464.00	1,695.50	
	41,650	14,945.00			1,097.50	650.50	
	66,064	15,857.50			3,304.00	1,802.50	
	19,570	78,259.50	1,684.50		826.50		
	221	105,861.00	30,348.50		12,078.00	780.00	
		419,788.00	51,531.00				
		525,788.00	55,160.75		16,500.00		
		684,300.00					
		702,905.00			4,471.00		
		638,138.00			635.50		
		601,822.00			6,518.00		
		814,099.50					
		620,951.50					
		519,537.50			42,150.00		
			17,308.00				
		23,575.00	5,000.75				
		607,783.50					
		980,161.00	90,293.50				
		1,104,000.00	36,000.00				
		375,561.00	31,861.00		94,258.70		
		652,898.50	54,212.75		118,651.20		
		779,786.50	16,020.00		10,000.00		
		847,100.00	4,450.00		44,000.00		
		1,752,477.00					
		1,471,583.00	42,000.00		51,000.00		
		2,002,030.00					
		2,746,700.00	1,000.00		121,500.00		
		1,537,600.00	25,500.00		12,500.00		
		1,853,078.00			77,000.00	61,500.00	
		2,382,400.00			51,000.00	62,000.00	
		2,383,830.00	99,500.00		77,125.00	62,135.00	
		2,398,500.00	80,000.00		52,250.00	48,250.00	
		2,693,000.00	39,000.00		48,500.00	68,500.00	
		3,206,002.00	71,500.00		63,500.00	71,000.00	
		2,676,003.00	488,000.00		141,000.00	138,000.00	
	1,000	3,273,100.00	118,000.00		119,600.00	95,000.00	
		1,814,910.00	63,100.00		104,200.00	113,800.00	
		1,773,000.00	208,000.00		239,493.40	112,750.50	
	200	1,748,708.00	122,786.50		229,633.70	108,285.60	
	61,005	1,145,054.00	153,331.75		253,358.00	113,954.25	
	173,090	355,500.00	143,000.00		363,000.00	93,250.00	
	184,618	1,484,882.00	214,250.00		330,750.00	58,250.00	
	165,100	2,056,000.00	403,400.00		152,000.00	58,250.00	

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION TO 1888.
RECAPITULATION.

Calendar year.	GOLD COINAGE.					
	Double eagles.	Eagles.	Half eagles.	Three dollars.	Quarter eagles.	Dollars.
1844.....		\$1, 250, 610	\$4, 087, 715		\$89, 345. 00	
1845.....		736, 530	2, 743, 640		276, 277. 50	
1846.....		1, 018, 750	2, 736, 155		279, 272. 50	
1847.....		14, 337, 580	5, 382, 685		482, 060. 00	
1848.....		1, 813, 340	1, 863, 560		98, 612. 50	
1849.....		6, 775, 190	1, 184, 645		111, 147. 50	\$936, 749
1850.....	\$26, 225, 220	3, 489, 510	860, 160		895, 547. 50	511, 301
1851.....	48, 043, 100	4, 393, 230	2, 651, 955		3, 887, 337. 50	3, 658, 820
1852.....	44, 860, 520	2, 811, 060	3, 689, 635		3, 283, 827. 50	2, 201, 145
1853.....	26, 646, 520	2, 522, 520	2, 305, 095		3, 519, 615. 00	4, 384, 149
1854.....	18, 052, 340	2, 305, 760	1, 513, 235	\$491, 214	1, 896, 597. 50	1, 657, 016
1855.....	25, 046, 820	1, 487, 010	1, 257, 090	171, 465	609, 700. 00	824, 883
1856.....	30, 437, 560	1, 429, 900	1, 806, 665	181, 530	1, 213, 117. 50	1, 788, 996
1857.....	28, 797, 500	481, 060	1, 232, 970	104, 673	796, 235. 00	801, 602
1858.....	21, 873, 480	343, 210	439, 770	6, 399	144, 082. 50	131, 472
1859.....	13, 782, 840	253, 930	361, 235	46, 914	142, 220. 00	193, 431
1860.....	22, 584, 400	278, 830	352, 365	42, 465	164, 360. 00	51, 234
1861.....	74, 989, 060	1, 287, 330	3, 332, 130	18, 216	3, 241, 295. 00	527, 499
1862.....	18, 926, 120	234, 950	69, 825	17, 355	300, 882. 50	1, 326, 865
1863.....	22, 187, 200	112, 480	97, 360	15, 117	27, 075. 00	6, 250
1864.....	19, 958, 900	60, 800	40, 540	8, 040	7, 185. 00	5, 959
1865.....	27, 874, 000	207, 050	144, 535	3, 495	62, 302. 50	3, 725
1866.....	30, 820, 500	237, 800	253, 200	12, 090	105, 175. 00	7, 180
1867.....	23, 436, 300	121, 400	179, 600	7, 950	78, 125. 00	5, 250
1868.....	18, 722, 000	241, 550	283, 625	14, 625	94, 062. 50	10, 525
1869.....	17, 238, 100	82, 850	163, 925	7, 575	84, 612. 50	5, 925
1870.....	22, 819, 480	164, 430	143, 550	10, 605	51, 387. 50	9, 335
1871.....	20, 456, 740	254, 650	245, 000	3, 990	68, 375. 00	3, 930
1872.....	21, 230, 600	244, 500	275, 350	6, 090	52, 575. 00	3, 530
1873.....	55, 456, 700	173, 680	754, 605	75	512, 562. 50	125, 125
1874.....	33, 917, 700	799, 270	203, 530	125, 460	9, 850. 00	198, 820
1875.....	32, 737, 820	73, 350	105, 240	60	30, 050. 00	420
1876.....	46, 386, 920	104, 280	61, 820	135	23, 052. 50	3, 245
1877.....	43, 504, 700	211, 490	182, 660	4, 464	92, 630. 00	3, 920
1878.....	45, 916, 500	1, 031, 440	1, 427, 470	246, 972	1, 160, 650. 00	3, 020
1879.....	28, 889, 260	6, 120, 320	3, 727, 155	9, 690	321, 225. 00	3, 030
1880.....	17, 749, 120	21, 715, 160	22, 831, 765	3, 108	7, 490. 00	1, 636
1881.....	14, 585, 200	48, 793, 250	33, 458, 430	1, 650	1, 700. 00	7, 660
1882.....	23, 295, 400	24, 740, 640	17, 831, 835	4, 620	10, 100. 00	5, 040
1883.....	24, 930, 040	2, 595, 400	1, 617, 990	2, 820	4, 900. 00	10, 840
1884.....	19, 944, 200	2, 110, 800	1, 922, 250	3, 318	4, 982. 50	6, 206
1885.....	13, 875, 560	4, 815, 270	9, 065, 030	2, 730	2, 217. 50	12, 205
1886.....	22, 120	10, 621, 600	18, 282, 160	3, 426	10, 220. 00	6, 016
1887.....	5, 662, 420	8, 706, 800	9, 560, 435	18, 480	15, 705. 00	8, 543
1888.....	21, 717, 320	8, 930, 310	1, 560, 980	15, 873	40, 245. 00	16, 080
Total.....	1, 053, 650, 280	196, 134, 320	190, 758, 185	1, 612, 089	28, 495, 320. 00	19, 468, 008

ATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

RECAPITULATION.

SILVER COINAGE.

Trade dollars.	Dollars.	Half dollars.	Quarter dollars.	Twenty cents.	Dimes.	Half dimes.	Three cents.
.....	\$20,000	\$1,885,500.00	\$290,300.00	.....	\$7,250.00	\$32,500.00	.....
.....	24,500	1,341,500.00	230,500.00	.....	198,500.00	78,200.00	.....
.....	169,600	2,257,000.00	127,500.00	.....	3,130.00	1,350.00	.....
.....	140,750	1,870,000.00	275,500.00	.....	24,500.00	63,700.00	.....
.....	15,000	1,880,000.00	36,500.00	.....	45,150.00	63,400.00	.....
.....	62,600	1,781,600.00	85,000.00	.....	113,900.00	72,450.00	.....
.....	47,500	1,341,500.00	150,700.00	.....	244,150.00	82,250.00	.....
.....	1,300	301,375.00	62,000.00	.....	142,650.00	82,050.00	\$185,022.00
.....	1,100	110,565.00	68,265.00	.....	196,550.00	63,025.00	559,905.00
.....	46,110	2,430,354.00	4,146,555.00	.....	1,327,301.00	785,251.00	342,000.00
.....	33,140	4,111,000.00	3,466,000.00	.....	624,000.00	365,000.00	20,130.00
.....	26,000	2,288,725.00	857,350.00	.....	207,500.00	117,500.00	4,170.00
.....	63,500	1,903,500.00	2,129,500.00	.....	703,000.00	299,000.00	43,740.00
.....	94,000	1,482,000.00	2,726,500.00	.....	712,000.00	433,000.00	31,260.00
.....	.....	5,998,000.00	2,002,250.00	.....	189,000.00	258,000.00	48,120.00
.....	636,500	2,074,000.00	421,000.00	.....	97,000.00	45,000.00	10,950.00
.....	733,930	1,032,850.00	312,350.00	.....	78,700.00	92,950.00	8,610.00
.....	78,500	2,078,950.00	1,237,650.00	.....	209,650.00	164,050.00	14,940.00
.....	12,090	802,175.00	249,887.50	.....	102,830.00	74,627.50	10,906.50
.....	27,660	709,830.00	48,015.00	.....	17,196.00	5,923.00	643.80
.....	31,170	518,785.00	28,517.50	.....	26,907.00	4,523.50	14.10
.....	47,000	593,450.00	25,075.00	.....	18,550.00	6,675.00	255.00
.....	49,625	899,812.50	11,381.25	.....	14,372.50	6,536.25	681.75
.....	60,325	810,162.50	17,156.25	.....	14,662.50	6,431.25	138.75
.....	182,700	769,100.00	31,500.00	.....	72,625.00	18,295.00	123.00
.....	424,300	725,950.00	23,150.00	.....	70,660.00	21,930.00	153.00
.....	445,462	829,758.50	23,935.00	.....	52,150.00	26,830.00	120.00
.....	1,117,136	1,741,655.00	53,255.50	.....	109,371.00	82,493.00	127.80
.....	1,118,600	866,775.00	68,762.50	.....	261,045.00	189,247.50	58.50
1,225,000	296,600	1,593,780.00	414,190.50	.....	443,329.10	51,830.00	18.00
1,910,000	.....	1,406,650.00	215,975.00	.....	319,151.70	.....	.....
3,279,600	.....	5,117,750.00	1,278,375.00	\$265,598	2,406,570.00	.....	.....
1,192,150	.....	7,451,575.00	7,839,287.50	5,180	3,015,115.00	.....	.....
3,092,710	.....	7,540,255.00	6,024,927.50	102	1,735,051.00	.....	.....
1,259,900	22,495,550	726,200.00	819,200.00	120	187,880.00	.....	.....
1,541	27,560,100	2,950.00	3,675.00	.....	1,510.00	.....	.....
1,987	27,397,355	4,877.50	3,738.75	.....	3,735.50	.....	.....
960	27,927,975	5,487.50	3,243.75	.....	2,497.50	.....	.....
1,037	27,574,100	2,750.00	4,075.00	.....	391,110.00	.....	.....
979	28,470,039	4,519.50	3,859.75	.....	767,571.20	.....	.....
.....	28,136,875	2,637.50	2,218.75	.....	393,134.90	.....	.....
.....	28,697,767	3,065.00	3,632.50	.....	257,711.70	.....	.....
.....	31,423,886	2,943.00	1,471.50	.....	658,409.40	.....	.....
.....	33,611,710	2,855.00	2,677.50	.....	1,573,838.90	.....	.....
.....	31,990,832	6,416.50	306,708.25	.....	721,648.70	.....	.....
965,924	323,317,428	122,822,181.50	38,831,087.25	271,000	21,677,014.70	4,880,219.40	1,282,087.20

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION TO 1843.
RECAPITULATION.

Calendar years.	MINOR COINAGE.		
	Five cents.	Three cents.	Two cents.
1793-1795.....			
1796.....			
1797.....			
1798.....			
1799.....			
1800.....			
1801.....			
1802.....			
1803.....			
1804.....			
1805.....			
1806.....			
1807.....			
1808.....			
1809.....			
1810.....			
1811.....			
1812.....			
1813.....			
1814.....			
1815.....			
1816.....			
1817.....			
1818.....			
1819.....			
1820.....			
1821.....			
1822.....			
1823.....			
1824.....			
1825.....			
1826.....			
1827.....			
1828.....			
1829.....			
1830.....			
1831.....			
1832.....			
1833.....			
1834.....			
1835.....			
1836.....			
1837.....			
1838.....			
1839.....			
1840.....			
1841.....			
1842.....			
1843.....			

ATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.
RECAPITULATION.

MINOR COINAGE.		TOTAL COINAGE.			
Cents.	Half cents.	Gold.	Silver.	Minor.	Total.
\$10,660.33	\$712.67	\$71,485.00	\$370,683.80	\$11,373.00	\$453,541.80
9,747.00	577.40	77,960.00	77,118.50	10,324.40	165,402.90
8,975.10	535.24	128,190.50	14,550.45	9,510.34	152,250.79
9,797.00	-----	205,610.00	330,291.00	9,797.00	545,698.00
9,045.85	60.83	213,285.00	423,515.00	9,106.68	645,906.68
28,221.75	1,057.65	317,760.00	224,296.00	29,279.40	571,335.40
13,628.37	-----	422,570.00	74,758.00	13,628.37	510,956.37
34,351.00	71.83	423,310.00	58,343.00	34,422.83	516,075.83
24,713.53	489.50	258,377.50	87,118.00	25,203.03	370,098.53
7,568.38	5,276.56	258,642.50	100,340.50	12,844.94	371,827.94
9,411.16	4,072.32	170,367.50	149,388.50	13,483.48	333,239.48
3,480.00	1,780.00	324,505.00	471,319.00	5,260.00	801,084.00
7,272.21	2,380.00	457,485.00	597,448.75	9,652.21	1,044,595.96
11,090.00	2,000.00	284,665.00	684,300.00	13,090.00	982,055.00
2,228.67	5,772.86	169,375.00	707,376.00	8,001.53	884,752.53
14,585.00	1,075.00	501,435.00	628,773.50	15,660.00	1,155,868.50
2,180.25	315.70	497,905.00	608,340.00	2,495.95	1,108,740.95
10,755.00	-----	290,435.00	814,029.50	10,755.00	1,115,219.50
4,180.00	-----	477,149.00	620,951.50	4,180.00	1,102,271.50
3,578.30	-----	77,270.00	561,687.50	3,578.30	642,535.80
-----	-----	3,175.00	17,308.00	-----	20,483.00
28,209.82	-----	-----	28,575.75	28,209.82	56,785.57
39,484.00	-----	-----	607,783.50	39,484.00	647,267.50
31,670.00	-----	242,940.00	1,070,454.50	31,670.00	1,345,064.50
26,710.00	-----	258,615.00	1,140,000.00	26,710.00	1,425,325.00
44,075.50	-----	1,319,030.00	501,680.70	44,075.50	1,864,786.20
3,890.00	-----	189,325.00	825,762.45	3,890.00	1,018,977.45
20,723.39	-----	88,980.00	805,806.50	20,723.39	915,509.89
-----	-----	72,425.00	895,550.00	-----	967,975.00
12,620.00	-----	93,200.00	1,752,477.00	12,620.00	1,858,297.00
14,611.00	315.00	156,385.00	1,564,583.00	14,926.00	1,735,894.00
15,174.25	1,170.00	92,245.00	2,002,090.00	16,344.25	2,110,679.25
23,577.32	-----	131,565.00	2,869,200.00	23,577.32	3,024,342.32
22,606.24	3,030.00	140,145.00	1,575,600.00	25,636.24	1,741,381.24
14,145.00	2,435.00	295,717.50	1,994,578.00	16,580.00	2,306,875.50
17,115.00	-----	643,105.00	2,495,400.00	17,115.00	3,155,620.00
33,592.60	11.00	714,270.00	3,175,600.00	33,603.60	3,923,473.60
23,620.00	-----	798,435.00	2,579,000.00	23,620.00	3,401,055.00
27,390.00	770.00	978,550.00	2,759,000.00	28,160.00	3,765,710.00
18,551.00	600.00	3,954,270.00	3,415,002.00	19,151.00	7,388,423.00
38,764.00	705.00	2,186,175.00	3,443,003.00	39,489.00	5,668,667.00
21,110.00	1,990.00	4,135,700.00	3,606,100.00	23,100.00	7,764,900.00
55,583.00	-----	1,148,305.00	2,096,010.00	55,583.00	3,299,898.00
63,702.00	-----	1,809,765.00	2,333,243.40	63,702.00	4,206,710.40
31,286.61	-----	1,376,847.50	2,209,778.20	31,286.61	3,617,912.31
24,627.00	-----	1,675,482.50	1,726,703.00	24,627.00	3,426,812.50
15,973.67	-----	1,091,857.50	1,132,750.00	15,973.67	2,240,581.17
23,833.90	-----	1,829,407.50	2,332,750.00	23,833.90	4,185,991.40
24,283.20	-----	8,108,797.50	3,834,750.00	24,283.20	11,967,830.70

XXII.—COINAGE OF THE MINTS OF THE UNITED STATES FROM THEIR ORGANIZATION TO 1888.
RECAPITULATION.

Calendar years.	MINOR COINAGE.		
	Five cents.	Three cents.	Two cents.
1844.....			
1845.....			
1846.....			
1847.....			
1848.....			
1849.....			
1850.....			
1851.....			
1852.....			
1853.....			
1854.....			
1855.....			
1856.....			
1857.....			
1858.....			
1859.....			
1860.....			
1861.....			
1862.....			
1863.....			
1864.....			\$396,950.00
1865.....		\$341,460.00	272,800.00
1866.....	\$737,125.00	144,030.00	63,540.00
1867.....	1,545,475.00	117,450.00	58,775.00
1868.....	1,440,850.00	97,560.00	56,075.00
1869.....	819,750.00	48,120.00	30,930.00
1870.....	240,300.00	40,050.00	17,225.00
1871.....	28,050.00	18,120.00	14,425.00
1872.....	301,800.00	25,860.00	1,300.00
1873.....	227,500.00	35,190.00	
1874.....	176,900.00	23,700.00	
1875.....	104,850.00	6,840.00	
1876.....	126,500.00	4,860.00	
1877.....			
1878.....	117.50	70.50	
1879.....	1,455.00	1,236.00	
1880.....	997.75	748.65	
1881.....	3,618.75	32,417.25	
1882.....	573,830.00	759.00	
1883.....	1,148,471.05	318.27	
1884.....	563,697.10	169.26	
1885.....	73,824.50	143.70	
1886.....	166,514.50	128.70	
1887.....	763,182.60	238.83	
1888.....	536,024.15	1,232.49	
Total.....	9,580,832.90	940,702.65	912,020.00

IZATION, BY CALENDAR YEARS AND BY DENOMINATION OF PIECES—Continued.

RECAPITULATION.

MINOR COINAGE.		TOTAL COINAGE.			
Cents.	Half cents.	Gold.	Silver.	Minor.	Total.
\$23,987.52	\$5,427,670.00	\$2,235,550.00	\$23,987.52	\$7,687,297.52
38,948.04	3,756,447.50	1,873,200.00	38,948.04	5,668,595.54
41,208.00	4,034,177.50	2,558,580.00	41,208.00	6,633,965.50
61,836.69	20,202,325.00	2,374,450.00	61,836.69	22,638,611.69
64,157.99	3,775,512.50	2,040,050.00	64,157.99	5,879,720.49
41,785.00	\$199.32	9,007,761.50	2,114,950.00	41,984.32	11,164,695.82
44,268.44	199.06	31,981,738.50	1,866,100.00	44,467.50	33,892,306.00
98,897.07	738.36	62,614,492.50	774,397.00	99,635.43	63,488,524.93
50,630.94	56,846,187.50	999,410.00	50,630.94	57,896,228.44
66,411.31	618.47	39,377,909.00	9,077,571.00	67,059.78	48,522,539.78
42,361.56	276.79	25,915,962.50	8,619,270.00	42,638.35	34,577,870.85
15,748.29	282.50	29,387,968.00	3,501,245.00	16,030.79	32,905,243.79
26,904.63	202.15	36,857,768.50	5,142,240.00	27,106.78	42,027,115.28
177,834.56	175.90	32,214,040.00	5,478,760.00	178,010.46	37,870,810.46
246,000.00	22,938,413.50	8,495,370.00	246,000.00	31,679,783.50
361,000.00	14,780,570.00	3,284,450.00	361,000.00	18,429,020.00
205,660.00	23,473,654.00	2,259,390.00	205,660.00	25,938,704.00
101,000.00	83,395,530.00	3,783,740.00	101,000.00	87,280,270.00
280,750.00	20,875,997.50	1,252,516.50	280,750.00	22,409,264.00
498,400.00	22,445,482.00	809,267.80	498,400.00	23,753,149.80
529,737.14	20,081,415.00	609,917.10	926,687.14	21,618,019.24
354,292.86	28,295,107.50	691,005.00	958,552.86	29,954,665.36
98,265.00	31,435,945.00	982,409.25	1,042,960.00	33,461,314.25
98,210.00	23,828,625.00	968,876.25	1,819,910.00	26,557,411.25
102,665.00	19,371,387.50	1,074,343.00	1,697,150.00	22,142,880.50
64,200.00	17,582,987.50	1,266,143.00	963,609.00	19,812,130.50
52,750.00	23,198,787.50	1,378,255.50	350,325.00	24,927,368.00
39,295.00	21,032,685.00	3,104,038.30	99,850.00	24,236,613.30
40,420.00	21,812,645.00	2,594,488.50	369,380.00	24,686,513.50
116,765.00	57,022,747.50	4,024,747.60	379,455.00	61,426,950.10
141,875.00	35,251,630.00	6,851,776.70	342,475.00	42,448,881.70
135,280.00	32,951,940.00	15,347,893.00	246,970.00	48,546,803.00
79,440.00	46,579,452.50	24,503,307.50	210,800.00	71,293,560.00
8,525.00	43,999,864.00	28,392,045.50	8,525.00	72,401,434.50
57,998.50	49,786,052.00	28,518,850.00	58,186.50	78,363,088.50
162,312.00	39,050,980.00	27,569,776.00	165,093.00	66,814,859.00
389,649.55	62,208,279.00	27,411,693.75	391,395.95	90,111,368.70
332,115.75	96,850,890.00	27,940,163.75	428,151.75	125,219,205.50
385,811.00	65,887,685.00	27,973,132.00	960,400.00	94,821,217.00
455,981.09	29,241,990.00	29,246,968.45	1,604,770.41	60,093,728.86
232,617.42	23,991,756.50	28,594,866.15	796,483.78	53,323,106.43
117,653.84	27,773,012.50	28,962,176.20	191,622.04	56,926,810.74
176,542.90	28,945,542.00	32,086,709.90	343,186.10	61,375,438.00
452,264.83	23,972,383.00	35,191,061.40	1,215,686.26	60,379,150.66
374,944.14	31,380,808.00	33,025,606.45	912,200.78	65,318,615.23
8,492,818.46	39,926.11	1,490,118,892.00	549,016,945.05	19,966,309.12	2,059,132,047.17

XXIII.—PRODUCTION OF GOLD AND SILVER IN THE UNITED STATES FROM THE ORGANIZATION OF THE MINT, IN 1792, TO 1844, AND ANNUALLY SINCE.

[The estimate from 1792 to 1873, inclusive, is by R. W. Raymond, Commissioner, and since by the Director of the Mint.]

Years.	Gold.	Silver.	Total.
April 2, 1792—July 31, 1834.....	\$14,000,000	Insignificant.	\$14,000,000
July 31, 1834—December 31, 1844.....	7,500,000	\$250,000	7,750,000
1845.....	1,008,327	50,000	1,058,327
1846.....	1,139,357	50,000	1,189,357
1847.....	889,085	50,000	939,085
1848.....	10,000,000	50,000	10,050,000
1849.....	40,000,000	50,000	40,050,000
1850.....	50,000,000	50,000	50,050,000
1851.....	55,000,000	50,000	55,050,000
1852.....	60,000,000	50,000	60,050,000
1853.....	65,000,000	50,000	65,050,000
1854.....	60,000,000	50,000	60,050,000
1855.....	55,000,000	50,000	55,050,000
1856.....	55,000,000	50,000	55,050,000
1857.....	55,000,000	50,000	55,050,000
1858.....	50,000,000	500,000	50,500,000
1859.....	50,000,000	100,000	50,100,000
1860.....	46,000,000	150,000	46,150,000
1861.....	43,000,000	2,000,000	45,000,000
1862.....	39,200,000	4,500,000	43,700,000
1863.....	40,000,000	8,500,000	48,500,000
1864.....	46,100,000	11,000,000	57,100,000
1865.....	53,225,000	11,250,000	64,475,000
1866.....	53,500,000	10,000,000	63,500,000
1867.....	51,725,000	13,500,000	65,225,000
1868.....	48,000,000	12,000,000	60,000,000
1869.....	49,500,000	12,000,000	61,500,000
1870.....	50,000,000	16,000,000	66,000,000
1871.....	43,500,000	23,000,000	66,500,000
1872.....	36,000,000	28,750,000	64,750,000
1873.....	36,000,000	35,750,000	71,750,000
1874.....	33,500,000	37,300,000	70,800,000
1875.....	33,400,000	31,700,000	65,100,000
1876.....	39,900,000	38,800,000	78,700,000
1877.....	46,900,000	39,800,000	86,700,000
1878.....	51,200,000	45,200,000	96,400,000
1879.....	38,900,000	40,800,000	79,700,000
1880.....	36,000,000	39,200,000	75,200,000
1881.....	34,700,000	43,000,000	77,700,000
1882.....	32,500,000	46,800,000	79,300,000
1883.....	30,000,000	46,200,000	76,200,000
1884.....	30,800,000	48,800,000	79,600,000
1885.....	31,800,000	51,600,000	83,400,000
1886.....	35,000,000	51,000,000	86,000,000
1887.....	33,000,000	53,350,000	86,350,000
1888.....	33,175,000	59,195,000	92,370,000
Total.....	1,806,061,769	862,645,000	2,668,706,769

XXIV.—WELLS, FARGO & CO. (EXPRESS AND BANKING), PRECIOUS METALS PRODUCT, UNITED STATES AND MEXICO.

SAN FRANCISCO, *December 31, 1888.*

The following is a copy of our annual statement of precious metals produced in the States and Territories west of the Missouri River (including British Columbia, and receipts by express from the west coast States of Mexico) during 1888, which shows aggregate products as follows: Gold, \$30,468,052; silver, \$54,348,420; copper \$18,261,490; lead, \$11,263,630. Total gross result, \$114,341,592.

As stated repeatedly, the facilities afforded for the transportation of bullion, ores, and base metals, by the extension of railroads into mining districts, increase the difficulty of verifying the reports of the products from several important localities; especially is this the case in the reports from Colorado and Montana, and the general tendency is to exaggeration when the actual values are not obtainable from authentic sources; but the aggregate result as shown herein we think may be relied on with reasonable confidence as approximately correct:

States and Territories.	Gold-dust and bullion by express.	Gold-dust and bullion by other conveyances.	Silver bullion by express.	Ores and base bullion by freight.	Total.
California	\$9,160,083	\$916,008	\$652,652	\$1,334,725	\$12,063,468
Nevada	2,876,275	.....	6,858,520	2,570,808	12,305,603
Oregon	601,566	100,000	.....	.....	701,566
Washington	94,112	30,000	.....	.....	124,112
Alaska .....	.....	820,000	.....	.....	820,000
Idaho	2,635,000	.....	3,700,000	2,350,000	8,685,000
Montana	5,100,000	.....	11,500,000	15,776,000	32,376,000
Utah	277,720	.....	3,479,138	3,800,383	7,557,241
Colorado	3,100,000	.....	17,725,100	5,930,400	26,755,500
New Mexico	193,598	50,000	183,641	2,782,040	3,209,279
Arizona	712,600	100,000	850,798	3,460,470	5,123,868
Dakota	2,390,716	100,000	453,216	.....	2,943,932
Mexico (west coast States)	950	.....	1,195,673	.....	1,196,623
British Columbia	479,400	.....	.....	.....	479,400
Total	27,622,020	2,116,008	46,598,738	38,004,826	114,341,592

The gross yield for 1888, shown above, segregated, is approximately as follows:

Metals.	Proportion.	Amount.
Gold	26.65	\$30,468,052
Silver	47.53	54,348,420
Copper	15.97	18,261,490
Lead	9.85	11,263,630
Total .....	.....	114,341,592

ANNUAL PRODUCTS OF LEAD, COPPER, SILVER, AND GOLD IN THE STATES AND TERRITORIES WEST OF THE MISSOURI RIVER, 1870-1888.

Year.	Production as per W., F. & Co.'s statements, including amounts from British Columbia and west coast of Mexico.	Product after deducting amounts from British Columbia and west coast of Mexico.	The net product of the States and Territories west of the Missouri River, exclusive of British Columbia and west coast of Mexico, divided, is as follows:			
			Lead.	Copper.	Silver.	Gold.
1870	\$54,000,000	\$52,150,000	\$1,080,000	.....	\$47,320,000	\$33,750,000
1871	58,284,000	55,784,000	2,100,000	.....	19,286,000	34,298,000
1872 ...	62,236,959	60,351,824	2,250,000	.....	19,924,429	38,177,395
1873	72,258,693	70,139,800	3,450,000	.....	27,483,302	39,206,558
1874	74,401,045	71,965,610	3,800,000	.....	29,699,122	38,466,488
1875	80,889,057	76,703,433	5,100,000	.....	31,635,239	39,968,194
1876	90,875,173	87,219,859	5,040,000	.....	39,292,924	42,886,935
1877	98,421,754	95,811,582	5,085,250	.....	45,846,109	44,880,223
1878	81,154,622	78,276,167	3,452,000	.....	37,248,137	37,576,630
1879	75,349,501	72,688,888	4,185,769	.....	37,032,857	31,470,262
1880	80,167,936	77,232,512	5,742,390	\$898,000	38,033,055	32,559,067
1881	84,504,417	81,198,474	6,361,902	1,195,000	42,987,613	30,653,959
1882	92,411,835	89,207,549	8,008,155	4,055,037	48,133,039	29,011,318
1883	90,313,612	84,639,212	8,163,550	5,683,921	42,975,101	27,816,640
1884	84,975,954	81,633,835	6,834,091	6,086,252	43,529,925	25,183,567
1885	90,181,260	87,311,382	8,562,991	7,838,036	44,516,599	26,393,756
1886	103,011,761	100,160,222	9,185,192	9,276,755	52,136,851	29,561,424
1887	104,645,959	103,327,770	9,631,073	10,362,746	50,833,884	32,500,667
1888	114,341,592	112,665,569	11,263,630	18,261,490	53,152,747	29,987,702

The exports of Silver during the past year to Japan, China, the Straits, etc., have been as follows: From London, \$25,793,207; from Marseilles, \$1,128,688; from San Francisco, \$14,621,431.

Total, \$41,543,326, as against \$43,006,618 last year. Pounds sterling estimated at \$4.84.

UNITED STATES OF MEXICO.

PRODUCT OF GOLD AND SILVER IN THE REPUBLIC OF MEXICO, REVISED AND CORRECTED FROM 1877 TO 1888.

Years.	Gold.	Silver.	Total.
1877-1878	\$747,000	\$24,837,000	\$25,584,000
1878-1879	881,000	25,125,000	26,006,000
1879-1880	942,000	26,800,000	27,742,000
1880-1881	1,013,000	29,234,000	30,247,000
1881-1882	937,000	29,329,000	30,266,000
1882-1883	956,000	29,569,000	30,525,000
1883-1884	1,055,000	31,695,000	32,750,000
1884-1885	914,000	33,226,000	34,140,000
1885-1886	1,026,000	34,112,000	35,138,000
1886-1887	1,047,000	34,600,000	35,647,000
1887-1888	1,031,000	34,912,000	35,943,000
Total	10,549,000	333,439,000	343,988,000

COINAGE OF GOLD, SILVER, AND COPPER IN THE REPUBLIC OF MEXICO FROM
THE 1ST OF JULY, 1873, TO THE 30TH OF JUNE, 1888.

Years.	Gold.	Silver.	Copper.
1873-1874	\$866, 743	\$18, 846, 067	\$15, 966
1874-1875	862, 619	19, 386, 958	21, 712
1875-1876	809, 401	19, 454, 054	30, 654
1876-1877	695, 750	21, 415, 128	9, 035
1877-1878	691, 998	22, 084, 203	41, 364
1878-1879	658, 206	22, 162, 987	16, 300
1879-1880	521, 826	24, 018, 528	14, 035
1880-1881	492, 068	24, 617, 395	42, 258
1881-1882	452, 590	25, 146, 260	11, 972
1882-1883	407, 600	24, 083, 921	.....
1883-1884	328, 698	25, 377, 379	.....
1884-1885	423, 250	25, 840, 728	.....
1885-1886	425, 000	25, 850, 000	.....
1886-1887	410, 000	25, 600, 000	.....
1887-1888	340, 320	26, 711, 000	.....
Total.....	8, 386, 069	350, 594, 608	203, 296

SUMMARY.

Gold	\$8, 386, 069
Silver	350, 594, 608
Copper	203, 296
Grand total.....	359, 183, 973

COINAGE OF MEXICO FROM THE ESTABLISHMENT OF THE MINTS IN 1537 TO
THE END OF THE FISCAL YEAR OF 1888.

Periods.	Gold.	Silver.	Copper.	Total.
COLONIAL EPOCH.				
Unmilled coin from 1537 to 1731.....	\$8, 497, 950	\$752, 067, 456	\$200, 000	\$760, 765, 406
Pillar coin, 1732 to 1771	19, 889, 014	441, 629, 211	.....	461, 518, 225
Bust coin, 1772 to 1821	40, 391, 447	888, 563, 989	342, 893	929, 298, 329
	68, 778, 411	2, 082, 260, 656	542, 893	2, 151, 581, 960
INDEPENDENCE.				
Iturbide's imperial bust, 1822 to 1823....	557, 392	18, 575, 569	.....	19, 132, 961
Republic eagle, 1824 to 30th June, 1873.	45, 040, 628	740, 246, 485	5, 235, 177	790, 522, 290
	45, 598, 020	758, 822, 054	5, 235, 177	809, 655, 251
REPUBLIC.				
Eagle coin, from 1st July, 1873, to 30th of June, 1888.....	8, 386, 069	350, 594, 608	203, 296	359, 183, 973

SUMMARY.

Colonial epoch (from 1537 to 1821)	\$2, 151, 581, 960
Independence (from 1822 to 1873)	809, 655, 251
Republic (from 1873 to 1888)	359, 183, 973
Total	3, 320, 421, 184

The exhibits of production and mintage indicate a steady development of the mining interests of the United States of America, and also of Mexico; and, with the increasing facilities of railway communication, fostering every department of industry, the outlook for a continued growth in the product of precious metals is flattering.

JOHN J. VALENTINE,
Vice-President and General Manager, Wells, Fargo & Co.

XXV.—COINAGES OF NATIONS—CALENDAR YEARS,

Countries.	1884.	
	Gold.	Silver.
United States.....	\$23, 991, 756	\$28, 534, 866
Mexico	328, 698	25, 377, 378
Great Britain.....	11, 309, 819	3, 204, 824
Australia.....	22, 196, 106	
India*		17, 353, 531
Canada		
France.....		23, 160
Cochin-China		120, 000
Monaco		
Belgium		
Italy.....	62, 165	2, 121, 953
Switzerland.....		
Spain	4, 983, 004	6, 738, 971
Portugal.....	186, 840	
Netherlands		182, 910
Germany	13, 723, 494	114, 319
Austria-Hungary †.....	2, 444, 004	4, 987, 781
Norway.....		
Sweden	1, 022, 420	132, 784
Denmark		
Russia †.....	18, 615, 074	1, 238, 746
Turkey		
Siam.....		
Egypt		
Japan.....	569, 415	3, 599, 912
Haiti.....		
Chili.....		
Argentine Republic.....		
Peru		1, 400, 949
Colombia		
Venezuela		
Guatemala.....		
Brazil.....		
Honduras.....		
Congo.....		
Nicaragua		
Straits Settlements		
Hawaiian Islands.....		700, 000
Hong-Kong		
Costa Rica.....		
Bolivia.....		
Total	99, 432, 795	95, 832, 084

* Rupee calculated at coining rate, \$0.4737.

† Silver florin calculated at coining rate, \$0.482.

‡ Silver ruble calculated at coining rate, \$0.7718.

EXCEPT FOR MEXICO AND BRAZIL, AND FOR INDIA IN 1884.

1885.		1886.		1887.	
Gold.	Silver.	Gold.	Silver.	Gold.	Silver.
\$27, 773, 012	\$28, 962, 176	\$28, 915, 542	\$32, 086, 709	\$23, 972, 383	\$35, 191, 081
423, 250	25, 840, 727	367, 490	26, 991, 804	398, 647	26, 844, 031
14, 366, 677	3, 540, 719	-----	2, 031, 194	9, 728, 498	4, 142, 136
21, 694, 857	-----	22, 524, 595	-----	24, 122, 267	-----
106, 987	48, 487, 114	-----	27, 121, 414	4, 249	44, 142, 013
-----	-----	-----	225, 000	-----	85, 000
55, 854	-----	4, 455, 733	29, 795	4, 760, 960	1, 719, 742
-----	1, 279, 511	-----	3, 215, 771	-----	3, 126, 410
164, 648	-----	289, 500	-----	-----	-----
-----	-----	-----	921, 768	-----	583, 632
635, 873	230, 831	227, 771	1, 795, 364	-----	6, 253, 200
-----	-----	965, 000	501, 800	-----	270, 200
2, 435, 108	3, 678, 314	2, 369, 765	5, 057, 506	-----	11, 389, 414
246, 240	-----	179, 626	299, 765	270, 000	960, 120
280, 000	80, 400	217, 647	-----	163, 831	76, 380
1, 939, 443	577, 664	8, 506, 210	1, 153, 963	28, 135, 270	715, 343
2, 791, 958	4, 147, 659	2, 684, 139	4, 384, 433	2, 669, 750	5, 556, 395
-----	53, 600	539, 484	-----	-----	80, 400
33, 500	78, 281	982, 188	-----	314, 830	56, 082
-----	-----	-----	13, 624	-----	-----
20, 685, 852	964, 769	14, 761, 717	1, 304, 101	20, 109, 276	1, 551, 710
-----	-----	3, 652, 000	880, 000	-----	-----
-----	-----	-----	-----	-----	2, 216, 065
-----	-----	-----	3, 204, 151	246, 354	2, 159, 690
1, 004, 005	6, 320, 927	900, 165	9, 086, 077	897, 420	10, 279, 555
-----	-----	-----	144, 750	-----	500, 000
77, 580	564, 080	37, 210	966, 080	25, 360	333, 000
984, 000	-----	1, 988, 670	-----	9, 173, 370	-----
-----	1, 326, 266	-----	592, 065	-----	1, 685, 000
-----	-----	26, 965	1, 354, 826	-----	663, 069
-----	-----	-----	1, 286, 345	-----	-----
-----	-----	-----	27, 387	-----	-----
58, 738	12, 092	20, 653	30, 373	-----	-----
-----	106, 510	-----	-----	-----	71, 978
-----	-----	-----	-----	-----	19, 300
-----	400, 000	-----	-----	-----	400, 000
-----	-----	-----	-----	-----	177, 000
-----	-----	-----	-----	-----	400, 000
-----	112, 936	-----	148, 036	-----	-----
-----	-----	-----	-----	-----	1, 763, 451
95, 757, 582	126, 764, 574	94, 642, 070	124, 854, 101	124, 992, 465	163, 411, 597

XXVI.—WORLD'S PRODUCTION OF GOLD AND SILVER.

[Kilogram of gold, \$664.60. Kilogram of silver, \$41.50]

Countries.	1884.				1885.			
	Gold.		Silver.		Gold.		Silver.	
	<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>
United States..	46,344	30,800,000	1,174,206	48,800,000	47,848	31,800,000	1,241,578	51,600,000
Australasia....	42,558	28,284,000	4,525	188,000	41,287	^a 27,430,000	25,220	1,048,000
Mexico	1,780	1,183,000	655,870	27,258,000	1,304	867,060	772,670	32,112,000
European countries:								
Russia	32,913	21,874,000	9,360	389,000	38,125	25,338,000	15,550	646,000
Germany	555	369,000	27,598	1,147,000	1,378	916,000	24,567	1,021,000
Austria-Hungary	1,658	1,102,000	49,300	2,049,000	1,774	1,179,000	52,748	2,192,260
Sweden	20	13,000	1,816	75,500	47	31,000	2,326	96,000
Norway			6,387	265,500			7,200	299,000
Italy	^c 195	129,600	^c 33,839	1,406,350	^c 195	129,600	^c 33,839	1,406,350
Spain			^d 54,335	2,258,000			^d 54,335	2,258,000
Turkey	^e 10	7,000	^e 1,323	55,000	^e 10	7,000	^e 1,323	55,000
France			5,905	245,000			51,000	2,120,000
Great Britain			8,060	335,000			7,607	316,000
Dominion of Canada	^e 1,435	954,000	^e 5,030	209,000	1,679	1,116,000	^e 5,030	209,600
South American countries:								
Argentino Republic ..	^e 118	78,000	^e 11,500	478,000	^e 118	78,000	^e 11,500	478,000
Colombia	^f 5,802	3,856,000	^f 18,287	760,000	^e 3,762	2,500,000	^e 9,625	400,000
Bolivia	^e 109	72,000	^e 240,616	10,000,000	^e 109	72,000	^e 240,616	10,000,000
Chili	500	332,000	160,000	6,650,000	^e 500	332,000	^e 210,000	8,727,600
Brazil	^e 952	633,000			1,204	800,000	2,640	110,000
Venezuela ..	^b 7,033	4,674,000			7,033	4,674,000		
Peru	180	120,000	45,909	1,908,000	226	150,000	47,840	1,988,000
Central American countries:								
Costa Rica ..					9	6,000		
Honduras ..								
Salvador ..								
Japan	296	197,000	23,460	975,000	265	176,000	23,085	960,000
Africa	^m 1,250	830,000	^m 238	10,000	^m 2,083	1,384,000	^m 1,274	53,000
China (Amoor district) ..	ⁿ 9,362	6,222,000			ⁿ 6,997	4,650,000		
India (British) ..					203	135,000		
Total	153,070	101,729,600	2,537,564	105,461,350	156,156	103,779,600	2,841,573	118,095,150

^a G. W. Griffin, United States consul at Sydney, reports the gold production of Australasia for 1886 at \$25,883,884, and for 1885 at \$27,361,603.

^b Estimate of the Bureau of the Mint, based upon the production for 1885.

^c Estimated same as officially communicated for 1886.

^d Estimate of Dr. Soetbeer for 1883.

^e Estimate of the Bureau of the Mint, based upon the production for 1883.

^f Estimated same as officially communicated for 1882.

^g Estimate of the Bureau of the Mint, based upon the annual average credited Bolivia by Dr. A. Soetbeer, and confirmed by official statistics of exports and coinage for 1887.

^h Exports of gold and silver through the custom-house at Rio de Janeiro.

XXVI.—WORLD'S PRODUCTION OF GOLD AND SILVER.

[Joining rate in United States silver dollars.]

1886.				1887.			
Gold.		Silver.		Gold.		Silver.	
<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>	<i>Kilos.</i>	<i>Dollars.</i>
52,663	35,000,000	1,227,141	51,000,000	49,654	33,000,000	1,283,855	53,357,000
39,761	^a 26,425,600	29,403	1,222,000	41,119	27,327,600	6,422	266,900
924	614,000	794,033	33,000,000	1,240	824,000	904,000	37,570,000
30,872	20,518,000	12,707	528,100	30,232	20,092,000	13,522	562,000
1,065	708,000	25,650	1,066,000	2,251	1,496,000	23,929	994,500
^b 1,774	1,179,000	^b 52,748	2,132,200	1,877	1,247,450	53,391	2,218,900
67	45,000	3,081	128,000	84	55,550	5,828	242,250
		^b 7,200	299,000			^b 7,200	299,000
195	129,600	33,839	1,406,350	^c 195	129,600	^c 33,839	1,406,350
		^d 54,335	2,258,000			^d 54,335	2,258,000
10	7,000	1,323	55,000	^e 10	7,000	^e 1,323	55,000
		46,789	1,944,550			^e 46,789	1,944,550
		10,124	420,750	2	1,000	9,964	414,100
2,002	1,330,442	5,030	209,000	2,061	1,369,700	10,865	451,550
30	20,000	1,444	60,000	45	30,000	722	30,000
3,762	2,500,000	9,625	400,000	4,514	3,000,000	24,061	1,000,000
^e 109	72,000	^e 240,616	10,000,000	^e 109	72,000	^e 240,616	10,000,000
500	332,000	210,000	8,727,600	2,395	1,591,400	205,422	8,537,350
^b 1,502	998,000	^b 141	5,850	^b 1,502	998,000	^b 141	5,850
^f 5,020	3,336,000			^f 5,020	3,336,000		
^f 170	113,000	^f 96,246	4,000,000	^f 170	113,000	49,750	2,067,650
^k 121	87,000			131	87,000		
						1,799	74,750
				100	66,400	5,774	240,000
492	327,235	32,242	1,310,000	^l 564	375,000	^l 32,065	1,332,650
^m 2,163	1,438,000	^m 3,165	132,000	^m 2,888	1,919,600	^m 432	17,900
^o 5,492	3,650,000			^o 5,068	3,368,500		
634	421,600			481	320,000		
149,338	93,250,877	2,896,882	120,394,400	151,712	100,826,800	3,016,044	125,346,310

ⁱ Production of the two mills of "El Callao Mining Company."^j Estimate of the Bureau of the Mint, based upon the exports of bullion and ore officially reported for 1886.^k Estimated same as officially communicated for 1887.^l Production of government mines for 1887 and private mines for 1886.^m Imports into United Kingdom from West and South Africa, extracted from board of trade returns, by A. Sauerbeck, F. S. S.ⁿ Dr. Ivan C. Michels.^o Imports of gold into Great Britain from China

XXVII.—* GOLD AND SILVER BULLION AND SPECIE (UNITED KINGDOM), DECLARED REAL VALUE OF, IMPORTED AND EXPORTED FOR THE YEARS 1888, 1887, AND 1886.

Countries.	1888.		1887.		1886.	
	Gold (£1,000).	Silver (£1,000).	Gold (£1,000).	Silver (£1,000).	Gold (£1,000).	Silver (£1,000).
Imported from—						
Australia	£3, 945	£33	£321	£59	£2, 726	£246
South America, Brazil, Mexico, West Indies	786	2, 264	2, 982	3, 269	2, 006	3, 471
United States	2, 251	2, 384	37	2, 214	3, 022	1, 697
	6, 982	4, 681	3, 340	5, 542	7, 754	5, 414
France	3, 107	840	1, 926	1, 242	1, 350	1, 187
Germany, Holland, Belgium, and Sweden	1, 860	387	710	740	590	475
Portugal, Spain, and Gibraltar	82	169	73	124	201	92
Malta and Egypt	1, 395	34	2, 222	46	1, 237	38
China, with Hong-Kong and Japan	1, 057		1, 064		1, 183	
West coast of Africa	146	40	148	46	137	83
All other countries	1, 161	63	462	85	940	183
Totals imported	15, 790	6, 214	9, 940	7, 825	13, 392	7, 472
Exported to—						
France	3	545	24	475	1, 181	1, 019
Germany, Holland, Belgium, and Sweden	1, 756	256	2, 676	174	1, 653	46
Portugal, Spain, and Gibraltar	1, 941	352	960	205	2, 272	246
	3, 700	1, 153	3, 660	854	5, 106	1, 311
British India, China, Hong-Kong, and Japan	632	5, 841	848	6, 326	387	5, 614
United States	4	32	1, 761	35	2, 995	3
South Africa	1, 420	70	715	68	145	
South America, Brazil, Mexico, and West Indies	7, 688	306	1, 935	318	4, 551	28
All other countries	1, 500	213	404	206	550	268
Totals exported	14, 944	7, 615	9, 323	7, 807	13, 734	7, 224
Excess of imports	846		617	18		248
Excess of exports		1, 401			342	

* Journal of the Royal Statistical Society, March, 1889, p. 197.

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